ANEXO 1: CUANTIZACIÓN ESCALAR (DISTRIBUCIÓN UNIFORME)

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

0.0562	3.7205	7.1393	10.3369	13.6383
0.1625	3.8133	7.2130	10.4757	13.7285
0.2482	3.8623	7.2860	10.5925	13.8111
0.3547	3.9461	7.3555	10.6518	13.8893
0.4634	4.0165	7.4230	10.6732	13.9476
0.5688	4.1325	7.5149	10.7222	14.0084
0.6465	4.1616	7.6163	10.8148	14.0659
0.7173	4.2366	7.7119	10.9194	14.1404
0.8015	4.3290	7.7780	11.0048	14.2305
0.8748	4.4067	7.8420	11.1101	14.3346
0.9234	4.4946	7.9190	11.2034	14.3981
0.9583	4.5525	7.9292	11.3110	14.4407
1.0311	4.5861	8.0109	11.3818	14.6539
1.1162	4.6238	8.0740	11.4766	14.7399
1.2233	4.7098	8.1614	11.5636	14.8379
1.3023	4.7491	8.2392	11.6394	14.9430
1.3726	4.8207	8.3379	11.6980	15.0519
1.4507	4.8861	8.4352	11.7363	15.1497
1.5049	4.9379	8.5091	11.7960	15.2038
1.5746	5.0107	8.5969	11.8492	15.2504
1.6371	5.0999	8.7116	11.9071	15.3018
1.7065	5.2116	8.8014	12.0015	15.3690
1.8150	5.2859	8.8948	12.1102	15.4335
1.8969	5.4129	8.9201	12.1964	15.5224
1.9734	5.5341	8.9480	12.2767	15.5702
2.0764	5.6374	8.9480	12.4088	15.6537
2.1679	5.7364	8.9701	12.4542	15.7565
2.2145	5.8368	9.0897	12.5189	15.7931
2.3290	5.9434	9.1636	12.6020	15.8370
2.4637	6.0467	9.2201	12.6630	15.9217
2.5447	6.1306	9.2857	12.7005	16.0099
2.6277	6.2372	9.4285	12.7693	16.0959
2.7347	6.3309	9.5695	12.8564	16.2268
2.8002	6.4083	9.6575	12.9262	16.2792
2.8617	6.4888	9.7993	13.0001	16.3738
2.9302	6.5651	9.9105	13.0402	16.4649
3.0542	6.6570	9.9792	13.0572	16.5955
3.1601	6.7253	9.9969	13.0839	16.6734
3.2653	6.7799	10.0423	13.1561	16.7928
3.3815	6.8834	10.1075	13.2351	16.8498
3.4624	6.9768	10.1677	13.3247	16.9138
3.5658	7.0451	10.2058	13.4596	16.9785
3.6494	7.0783	10.2674	13.5498	17.0435

17.1221	21.3404	25.5815	30.0028	34.5503
17.2059	21.4622	25.6429	30.0988	34.6398
17.2872	21.5820	25.7241	30.1904	34.7171
17.3637	21.6859	25.8137	30.3022	34.8202
17.4326	21.7687	25.8903	30.4588	34.9194
17.5341	21.8451	26.0178	30.5277	35.0115
17.5671	21.9743	26.1370	30.6070	35.1150
17.6179	22.0642	26.2408	30.6923	35.2259
17.6976	22.1669	26.3288	30.7516	35.2881
17.8093	22.2541	26.4491	30.8474	35.3957
17.9044	22.3574	26.5378	30.9437	35.4819
17.9701	22.4423	26.6280	31.0037	35.5976
18.0786	22.5578	26.7269	31.0733	35.6993
18.1920	22.6420	26.8531	31.1496	35.7831
18.2965	22.7145	26.9551	31.2523	35.8933
18.4121	22.7920	27.0378	31.3284	35.9990
18.4395	22.8397	27.1191	31.4259	36.0748
18.4675	22.8917	27.1915	31.5220	36.1985
18.5597	22.9742	27.2242	31.6168	36.2612
18.6936	23.0750	27.2680	31.7071	36.3723
18.7980	23.1522	27.3512	31.8646	36.4672
18.8971	23.1999	27.4230	31.9824	36.5767
18.9895	23.2501	27.4905	32.0913	36.6632
19.0898	23.3131	27.5883	32.1775	36.7251
19.1654	23.3848	27.6495	32.2556	36.7649
19.2505	23.4607	27.7225	32.3485	36.8073
19.3104	23.6040	27.8255	32.4128	36.8706
19.4186	23.6831	27.8773	32.5054	36.9607
19.4897	23.7606	27.9466	32.6015	36.9963
19.5651	23.8208	28.0453	32.6880	37.0718
19.6268	23.8938	28.1466	32.8020	37.1490
19.8192	23.9832	28.2236	32.8807	37.2881
19.8830	24.0539	28.3456	32.9649	37.3701
19.9709	24.1196	28.4087	33.0318	37.5106
20.0173	24.2217	28.4535	33.1241	37.5711
20.0786	24.3097	28.7189	33.2420	37.6530
20.1609	24.4165	28.7935	33.3386	37.7566
20.2405	24.5121	28.8727	33.4774	37.8692
20.3285	24.6255	28.9656	33.5504	37.9918
20.4300	24.7308	29.0450	33.6616	38.0816
20.4992	24.8440	29.1389	33.7622	38.1239
20.5656	24.9159	29.2311	33.8872	38.1688
20.6331	24.9907	29.3287	33.9367	38.2306
20.6966	25.0329	29.4250	34.0068	38.3322
20.7763	25.0670	29.5185	34.0649	38.4111
20.8842	25.1563	29.5837	34.1107	38.4678
20.9205	25.2714	29.6970	34.2027	38.5430
20.9585	25.3576	29.7437	34.2683	38.6148
21.0664	25.4278	29.7836	34.3200	38.6814
21.1396	25.4825	29.8418	34.4055	38.7741
21.2510	25.5237	29.9215	34.4646	38.7964

38.8359	42.9065	46.9521	51.0000	55.2130
38.8462	43.0355	47.0666	51.0755	55.2937
38.8939	43.1330	47.2051	51.1136	55.4142
38.9696	43.2382	47.2966	51.1765	55.5215
39.0347	43.2856	47.3695	51.2524	55.6339
39.0817	43.3520	47.4071	51.3371	55.6740
39.1428	43.4331	47.4470	51.4222	55.7643
39.2096	43.5189	47.5463	51.5116	55.8494
39.3133	43.5632	47.5803	51.6267	55.9576
39.3773	43.6589	47.6113	51.7153	56.0551
39.4439	43.7497	47.6617	51.7770	56.1682
39.5615	43.8606	47.7575	51.8658	56.2654
39.6624	43.9290	47.8441	51.9854	56.3366
39.7575	44.0089	47.9539	52.0619	56.4032
39.8987	44.0765	48.0559	52.1522	56.4750
39.9832	44.1917	48.1320	52.2574	56.5318
40.0629	44.2689	48.2165	52.3470	56.6604
40.1716	44.3369	48.2933	52.4314	56.7451
40.2810	44.4041	48.3842	52.5099	56.8660
40.3460	44.5282	48.4497	52.6074	56.9450
40.4479	44.6069	48.5166	52.7009	57.0316
40.5489	44.7243	48.5888	52.7815	57.1192
40.6267	44.8670	48.6749	52.8951	57.2163
40.7069	44.9921	48.7302	53.0171	57.2924
40.8139	45.0970	48.8201	53.0743	57.3419
40.9321	45.2203	48.9299	53.1603	57.3905
41.0374	45.2948	48.9987	53.2391	57.5278
41.1173	45.3799	49.0563	53.3222	57.6139
41.1889	45.4306	49.1186	53.4252	57.7274
41.2721	45.4916	49.1850	53.4963	57.8181
41.3467	45.5548	49.2664	53.5960	57.8661
41.4277	45.5980	49.3876	53.6766	57.9060
41.5535	45.6489	49.4830	53.7792	57.9624
41.6236	45.6736	49.5495	53.8688	58.0825
41.6693	45.6804	49.6044	53.9313	58.1496
41.7236	45.6996	49.6532	54.0006	58.2106
41.8225	45.7736	49.7193	54.0632	58.2562
41.8869	45.8569	49.7764	54.1339	58.3265
41.9846	45.9377	49.8649	54.2339	58.4025
42.0615	46.0175	49.9176	54.3123	58.4888
42.1415	46.1128	49.9918	54.3950	58.5477
42.1599	46.2259	50.0821	54.4925	58.6331
42.1965	46.2655	50.1884	54.5661	58.7086
42.2870	46.3172	50.2800	54.6278	58.8099
42.3797	46.3975	50.3902	54.6723	58.9092
42.4580	46.4463	50.4631	54.7458	59.0091
42.5335	46.5219	50.5713	54.7881	59.0925
42.5935	46.5812	50.6676	54.8548	59.1382
42.6873	46.6724	50.7842	54.9698	59.2375
42.7933	46.7601	50.8655	55.0607	59.3017
42.8827	46.8444	50.9304	55.1300	59.3553

59.4174	63.4638	67.9262	72.5435	76.1845
59.4729	63.4886	68.0116	72.6207	76.2524
59.5050	63.5388	68.1200	72.7487	76.3408
59.5731	63.6155	68.2368	72.8570	76.4029
59.6369	63.6968	68.3136	72.9679	76.4712
59.6973	63.7736	68.4231	73.0471	76.5259
59.7340	63.9288	68.5228	73.1332	76.5742
59.7728	64.0153	68.5861	73.1618	76.6232
59.8571	64.1315	68.6592	73.2382	76.6821
59.9135	64.2514	68.7000	73.2563	76.7653
59.9422	64.3736	68.7476	73.2684	76.8053
59.9654	64.4350	68.8366	73.2684	76.8751
59.9654	64.5133	68.9232	73.2892	76.9325
60.0114	64.6044	69.0593	73.3779	77.0491
60.0922	64.6923	69.1543	73.4170	77.1202
60.1456	64.7706	69.2206	73.4883	77.1859
60.2114	64.8741	69.2983	73.5813	77.3033
60.3253	64.9566	69.3606	73.6496	77.3924
60.4127	65.0352	69.4542	73.7358	77.4933
60.5200	65.1625	69.5732	73.8384	77.6064
60.6421	65.2814	69.6756	73.9294	77.6654
60.7590	65.3573	69.7829	73.9750	77.7426
60.8468	65.4636	69.8871	74.0793	77.8204
60.9965	65.5328	70.0193	74.1522	77.9197
61.0914	65.6293	70.1381	74.2391	77.9988
61.1567	65.7403	70.2420	74.2779	78.0912
61.2176	65.8341	70.3409	74.3232	78.1803
61.2884	65.9158	70.4549	74.3831	78.2349
61.4121	65.9796	70.5629	74.5032	78.2480
61.4737	66.0486	70.6914	74.5469	78.2670
61.5357	66.1503	70.7852	74.6056	78.3481
61.6294	66.1948	70.8614	74.6716	78.4190
61.7414	66.2745	70.9166	74.7552	78.4665
61.8798	66.3638	71.0237	74.8344	78.5046
61.9721	66.4653	71.1380	74.9318	78.5736
62.0951	66.5411	71.2223	75.0265	78.6854
62.2269	66.6496	71.3082	75.1203	78.7834
62.3232	66.7081	71.4174	75.1456	78.8566
62.4026	66.7317	71.5096	75.2231	78.9397
62.5054	66.8027	71.5980	75.3320	78.9646
62.5337	66.8792	71.6913	75.4276	79.0098
62.5774	66.9619	71.7689	75.4920	79.1164
62.6580	67.0678	71.8425	75.5513	79.2643
62.7417	67.1725	71.9004	75.6485	79.3561
62.8584	67.2559	71.9366	75.7639	79.4252
62.9489	67.3564	71.9722	75.8412	79.6135
63.0609	67.4579	72.0470	75.8986	79.6893
63.1792	67.5702	72.1187	75.9380	79.7507
63.2476	67.6835	72.2468	75.9860	79.7699
63.3239	67.7761	72.3782	76.0662	79.8401
63.4045	67.8415	72.4613	76.1258	79.9127

80.0350	84.1590	87.8512	91.9586	96.0999
80.1282	84.2690	87.9439	92.0501	96.1068
80.2380	84.3452	88.0512	92.1719	96.1906
80.3205	84.4503	88.1220	92.2931	96.2603
80.4307	84.5000	88.2206	92.3683	96.3438
80.5127	84.5321	88.2727	92.4877	96.4386
80.6721	84.5420	88.3295	92.5914	96.5096
80.7920	84.5580	88.3889	92.7247	96.5777
80.8928	84.6016	88.5113	92.8254	96.6908
80.9384	84.7061	88.6071	92.9089	96.7881
81.0497	84.8556	88.6977	93.0193	96.8888
81.1293	84.9525	88.8188	93.1237	96.9752
81.1984	85.0369	88.9394	93.2333	97.0604
81.2673	85.1255	89.0093	93.3290	97.1478
81.3465	85.2723	89.0486	93.4266	97.2408
81.4445	85.3339	89.1116	93.5005	97.3376
81.5471	85.3906	89.2085	93.6012	97.4298
81.6383	85.4701	89.2922	93.6911	97.4960
81.7467	85.5615	89.3955	93.7907	97.6112
81.8288	85.6599	89.4982	93.8565	97.7153
81.9606	85.7630	89.6102	93.9506	97.7777
82.0438	85.8441	89.7121	94.0193	97.8841
82.1159	85.8835	89.8221	94.1008	98.0018
82.2102	85.9323	89.8853	94.1645	98.1038
82.3131	86.0103	89.9835	94.2360	98.1652
82.3560	86.0873	90.0774	94.3190	98.2138
82.4019	86.1328	90.1452	94.3646	98.2804
82.4995	86.1682	90.2324	94.4268	98.3661
82.5617	86.2257	90.3489	94.5187	98.4420
82.6078	86.3078	90.4512	94.6021	98.5206
82.6744	86.3863	90.5380	94.6771	98.6205
82.7568	86.4631	90.5994	94.7570	98.7445
82.8418	86.5830	90.6777	94.8139	98.8755
82.9226	86.6540	90.7698	94.8619	98.9820
83.0194	86.7168	90.9499	94.9204	99.0791
83.0517	86.8243	91.0511	94.9943	99.1716
83.0890	86.8949	91.1139	95.0777	99.2600
83.1693	86.9634	91.1678	95.1745	99.3978
83.2802	87.0306	91.2167	95.2778	99.5084
83.4131	87.0901	91.2957	95.3785	99.5797
83.5318	87.1880	91.3642	95.4610	99.6653
83.6381	87.2693	91.4110	95.5537	99.7529
83.7412	87.3773	91.4836	95.6405	99.8339
83.8108	87.4503	91.5505	95.7472	99.9223
83.8900	87.5398	91.6682	95.8383	
83.9852	87.6525	91.7526	95.9243	
84.0770	87.7268	91.8740	96.0245	

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003				
0.0620	2.0454	3.8415	5.8596	8.0678
0.1845	2.0454	3.8716	5.9120	8.1428
0.2963	2.0640	3.8976	5.9746	8.2389
0.3896	2.1525	3.9070	6.0777	8.2781
0.4908	2.1784	3.9349	6.1907	8.3508
0.5529	2.2389	4.0093	6.2484	8.4355
0.6439	2.3167	4.1401	6.3418	8.5393
0.6966	2.3880	4.1916	6.4086	8.6203
0.7474	2.4768	4.3021	6.5119	8.6778
0.7968	2.5606	4.3791	6.5665	8.7549
0.8629	2.6502	4.5460	6.6245	8.8443
0.9442	2.7239	4.6418	6.7237	8.9235
1.0294	2.7940	4.7251	6.8110	8.9644
1.1035	2.8378	4.8002	6.8799	9.0332
1.1596	2.8845	4.8653	6.9422	9.1182
1.2111	2.9530	4.9329	7.0105	9.2316
1.2581	3.0303	4.9953	7.0988	9.3320
1.2959	3.0303	5.0750	7.1489	9.4304
1.3725	3.0643	5.1777	7.2541	9.5054
1.4478	3.1353	5.2538	7.3244	9.5786
1.4997	3.2100	5.3076	7.4467	9.6976
1.5865	3.2946	5.4063	7.4876	9.8157
1.6599	3.3585	5.4395	7.5279	9.8777
1.7459	3.4112	5.4772	7.6028	9.9552
1.8566	3.5167	5.5118	7.7095	
1.9104	3.6110	5.5935	7.7812	
1.9995	3.6857	5.6974	7.8797	
2.0218	3.7563	5.7620	7.9764	

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003			
0.0289	0.2848	0.5388	0.7831
0.0917	0.3494	0.6033	0.8436
0.1555	0.4134	0.6636	0.9087
0.2212	0.4765	0.7251	0.9708

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003			
0.0265	0.3015	0.5407	0.7878
0.1033	0.3633	0.6028	0.8456
0.1744	0.4212	0.6718	0.9194
0.2380	0.4777	0.7332	0.9737

Parámetros de Diseño: Codebook generado a partir de 100 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003			
0.0383	0.2912	0.5603	0.8973
0.1042	0.3972	0.6603	0.9656
0.1641	0.4590	0.7620	
0.2218	0.4962	0.8323	

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.			
1.4770	26.0957	51.3178	76.5020
4.4742	28.9874	54.3577	79.5641
7.5688	32.2235	57.5741	82.9357
10.8196	35.5636	60.8949	86.0782
13.7660	38.8067	64.0692	89.2308
16.7518	41.7411	67.1328	92.3925
19.8395	44.7240	70.3080	95.4737
23.0422	48.1122	73.3192	98.5175

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.	
1.3136	6.4760
3.8184	8.8335

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.	
0.2496	0.7546

Parámetros de Diseño: Codebook generado a partir de 1000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.	
0.2737	0.7645

Parámetros de Diseño: Codebook generado a partir de 100 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.	
0.3095	0.7981

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 10.			
2.9494	27.6949	52.7838	77.6896
8.8619	34.0141	58.9213	84.0201
15.1375	40.1433	65.1422	90.6601
21.6467	46.6064	71.3457	97.0260

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 10.

2.6236	7.5368

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 50.

6.1374	56.0744
18.6490	68.4769
31.4025	80.6741
43.4924	93.3034

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

0.8079	24.6809	49.7750	75.2656
2.3129	26.1701	51.2073	76.9269
3.7602	27.6393	52.8233	78.6187
5.2310	29.0834	54.3330	80.1409
6.5464	30.5472	55.8132	81.6865
7.8735	32.0718	57.2851	83.2275
9.4892	33.7219	58.9484	84.5998
11.1147	35.2377	60.7360	86.0962
12.6692	36.8388	62.3360	87.5530
14.1004	38.5502	63.8672	88.9641
15.4717	40.2053	65.3980	90.5140
16.9208	41.6815	66.9560	92.1249
18.4530	43.3233	68.7120	93.8223
19.9647	44.7379	70.2787	95.5463
21.4445	46.3973	71.8753	97.2749
23.0992	48.0660	73.5789	99.0542

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

0.6129	4.3358
1.7599	6.1619
3.0252	8.7248

Parámetros de Diseño: Codebook generado a partir de 10 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

0.2510	0.7520

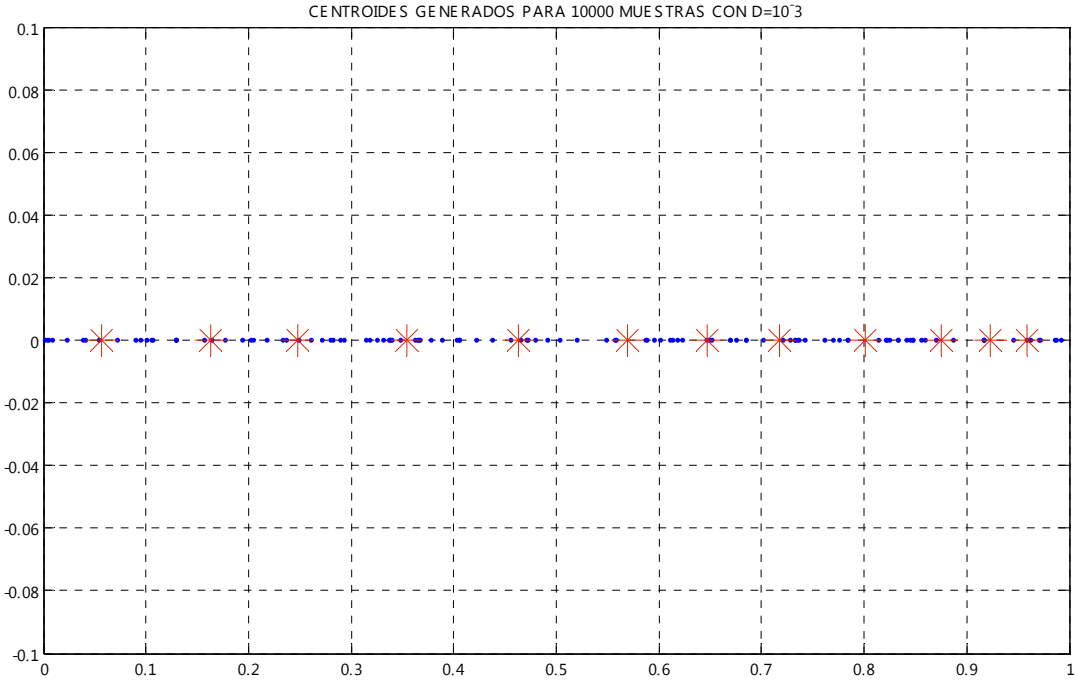
Parámetros de Diseño: Codebook generado a partir de 1000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

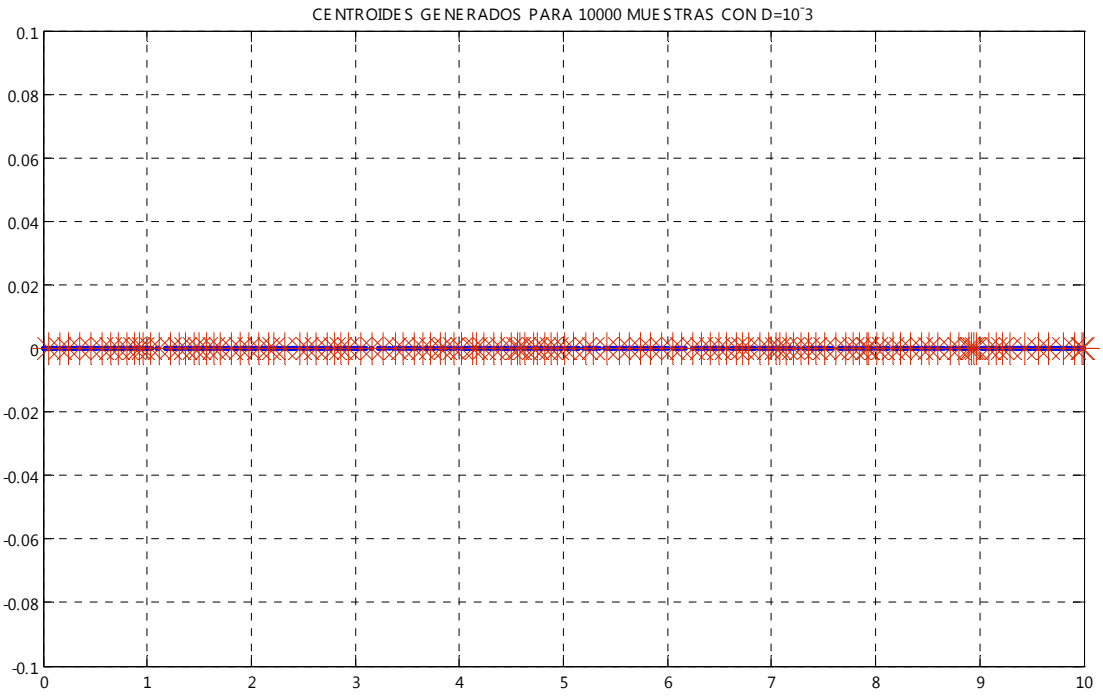
0.2456	0.7444

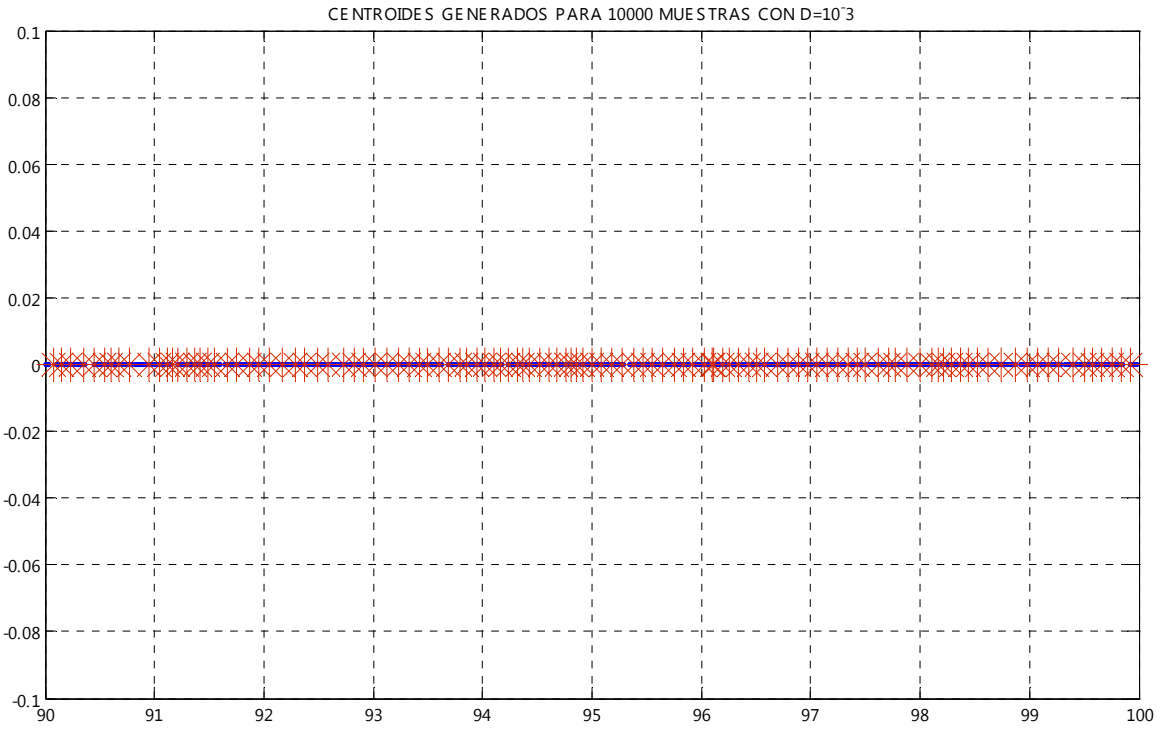
Parámetros de Diseño: Codebook generado a partir de 100 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.	
0.2459	0.8009

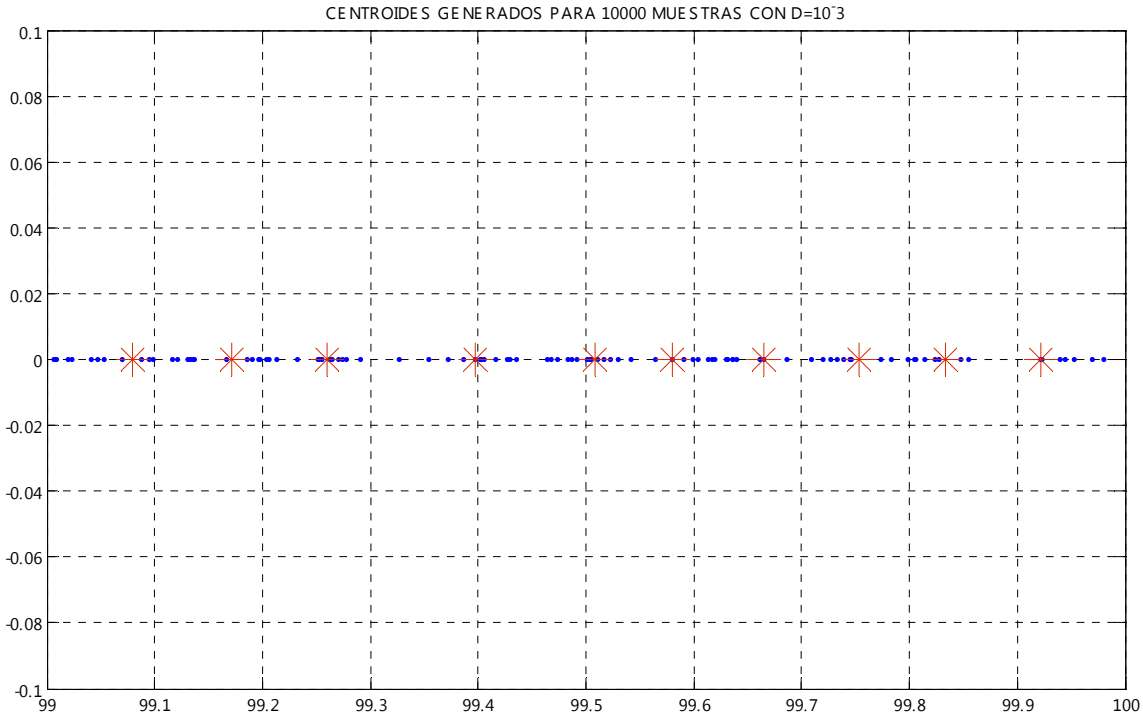
ANEXO 2: ALGORITMO LGB (DISTRIBUCIÓN UNIFORME*)*

Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

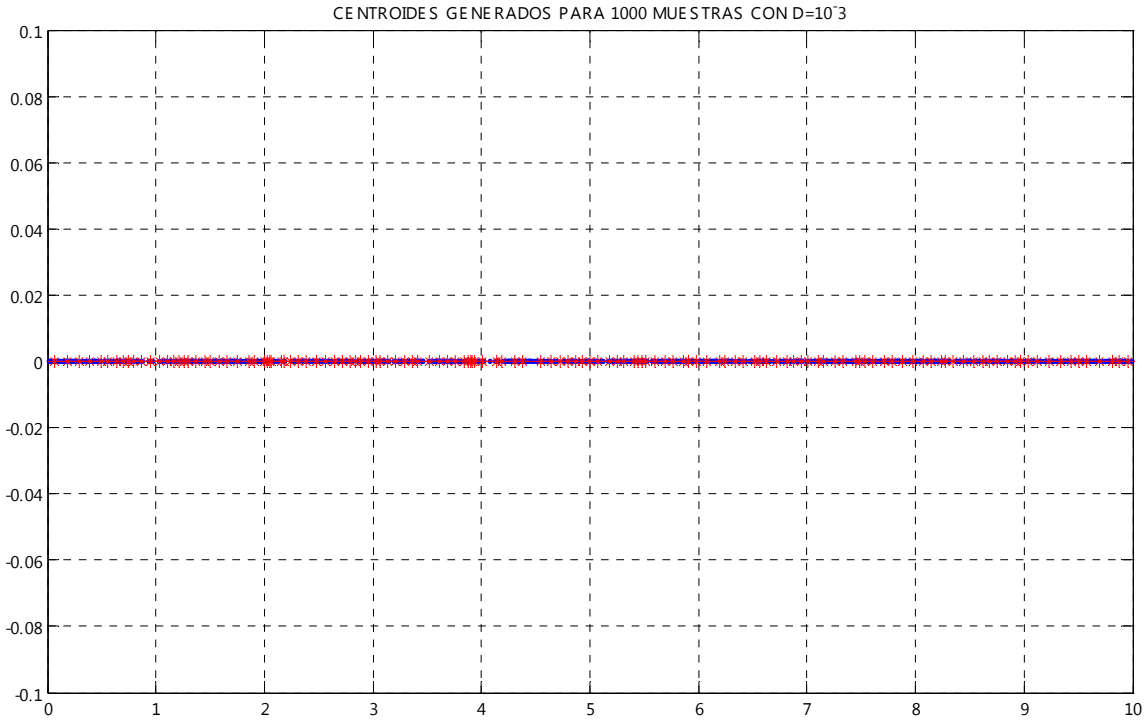


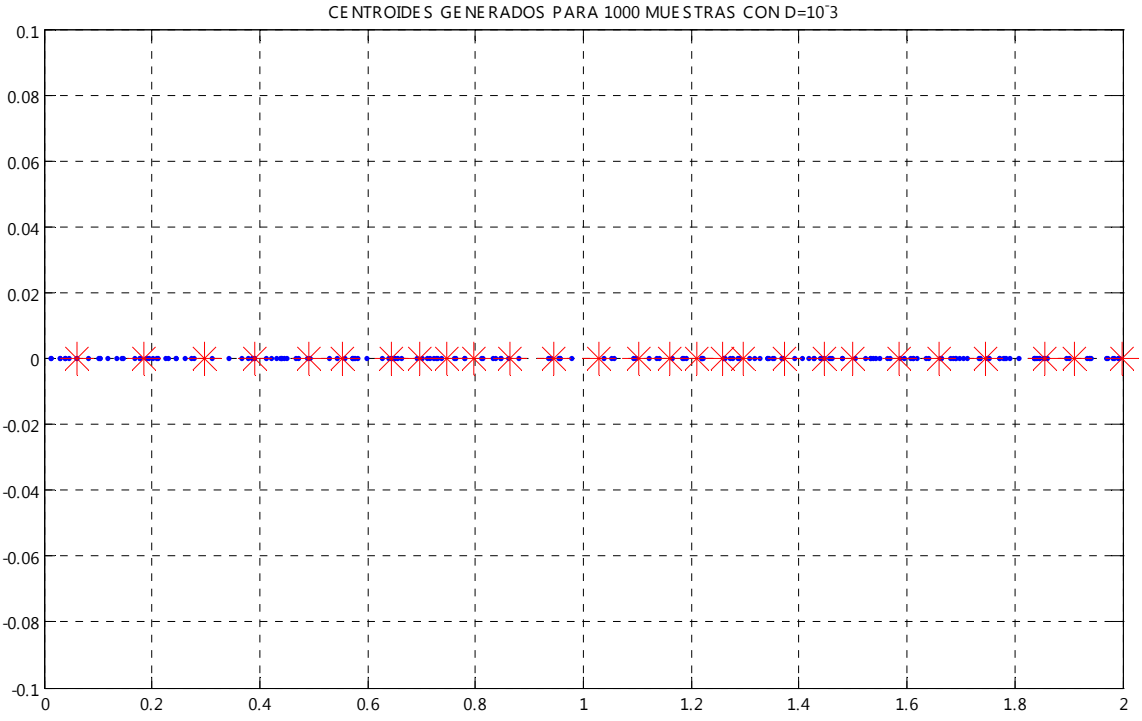


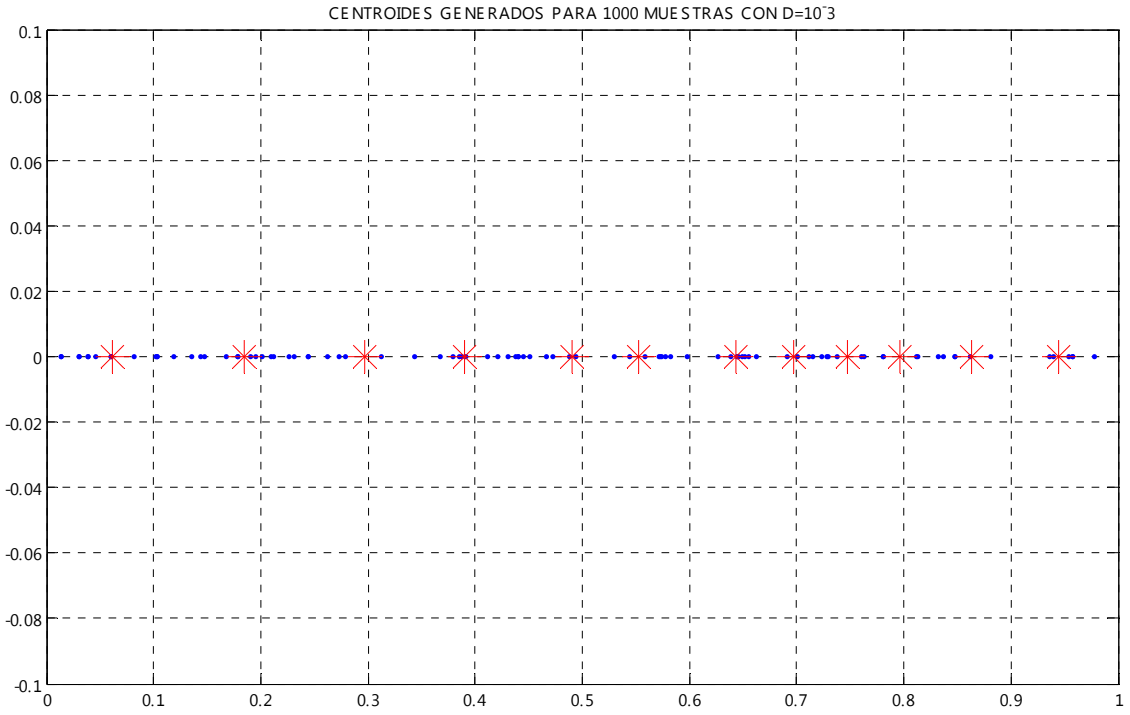

CENTROIDES GENERADOS PARA 10000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
90
91
92
93
94
95
96
97
98
99
100

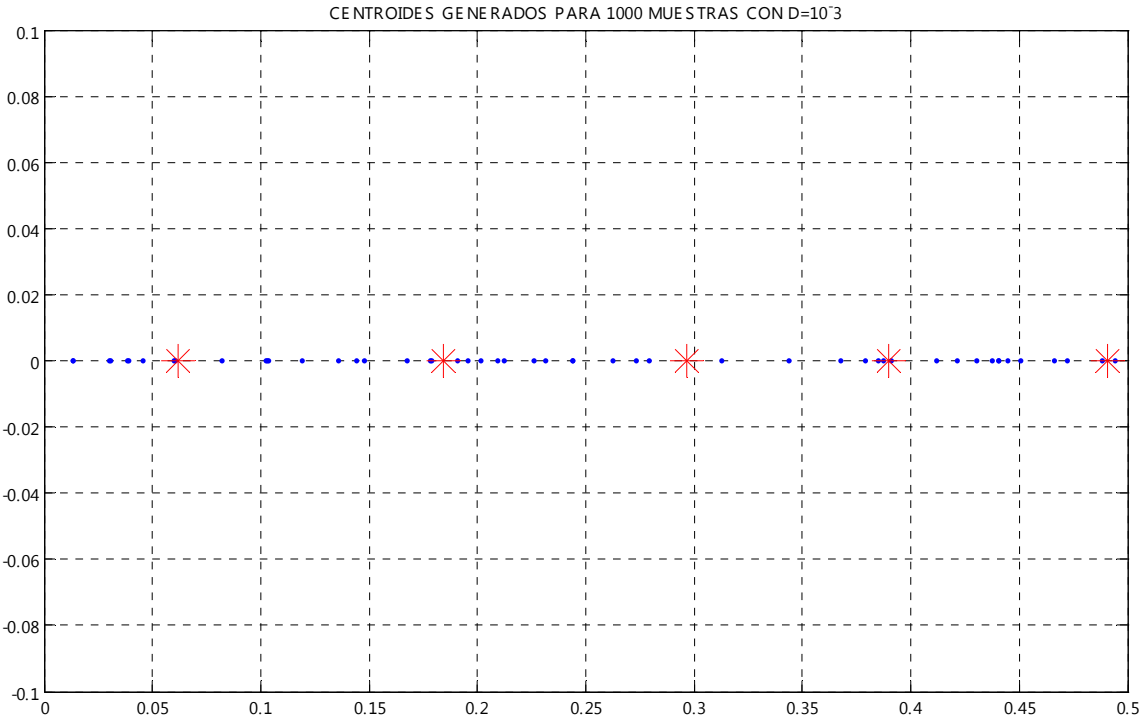

CENTROIDES GENERADOS PARA 10000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
99
99.1
99.2
99.3
99.4
99.5
99.6
99.7
99.8
99.9
100

Parámetros de Diseño: Centroides generados a partir de 1000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

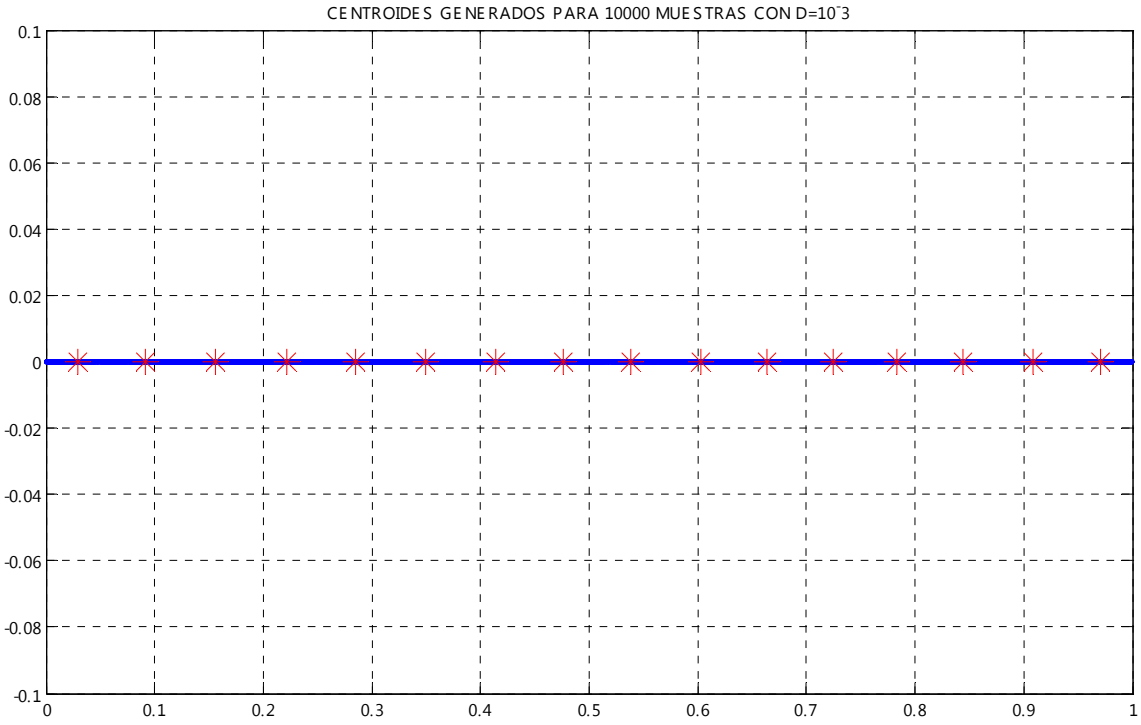


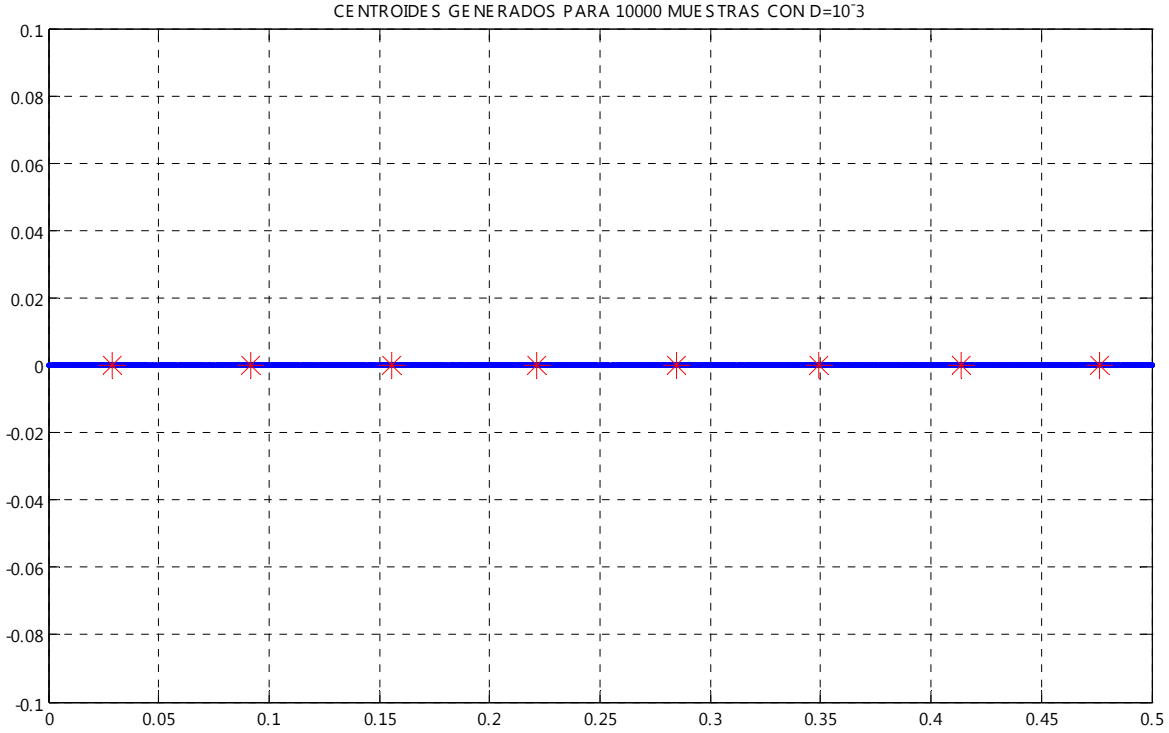


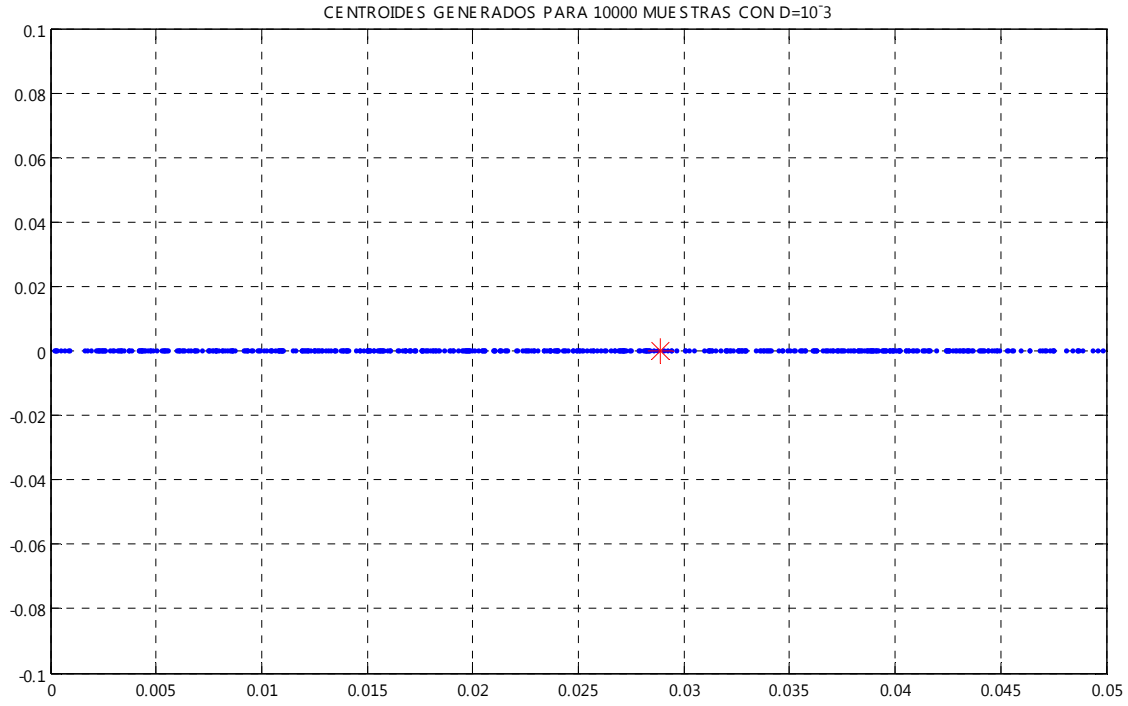

CENTROIDES GENERADOS PARA 1000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1


CENTROIDES GENERADOS PARA 1000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5

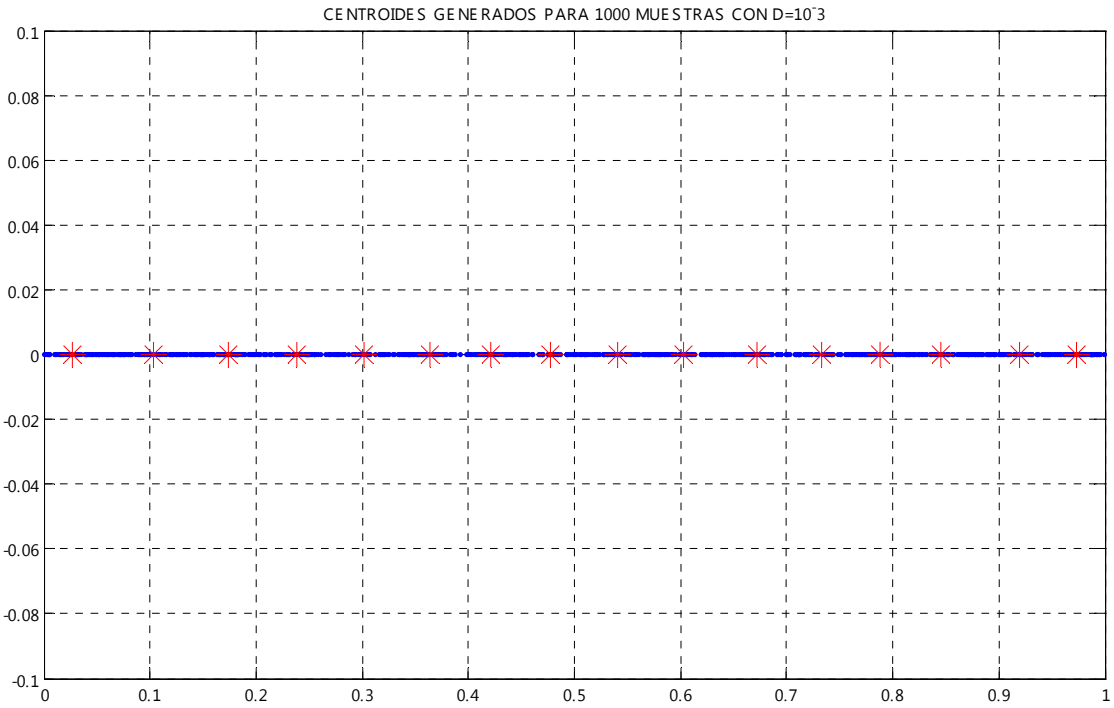
Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

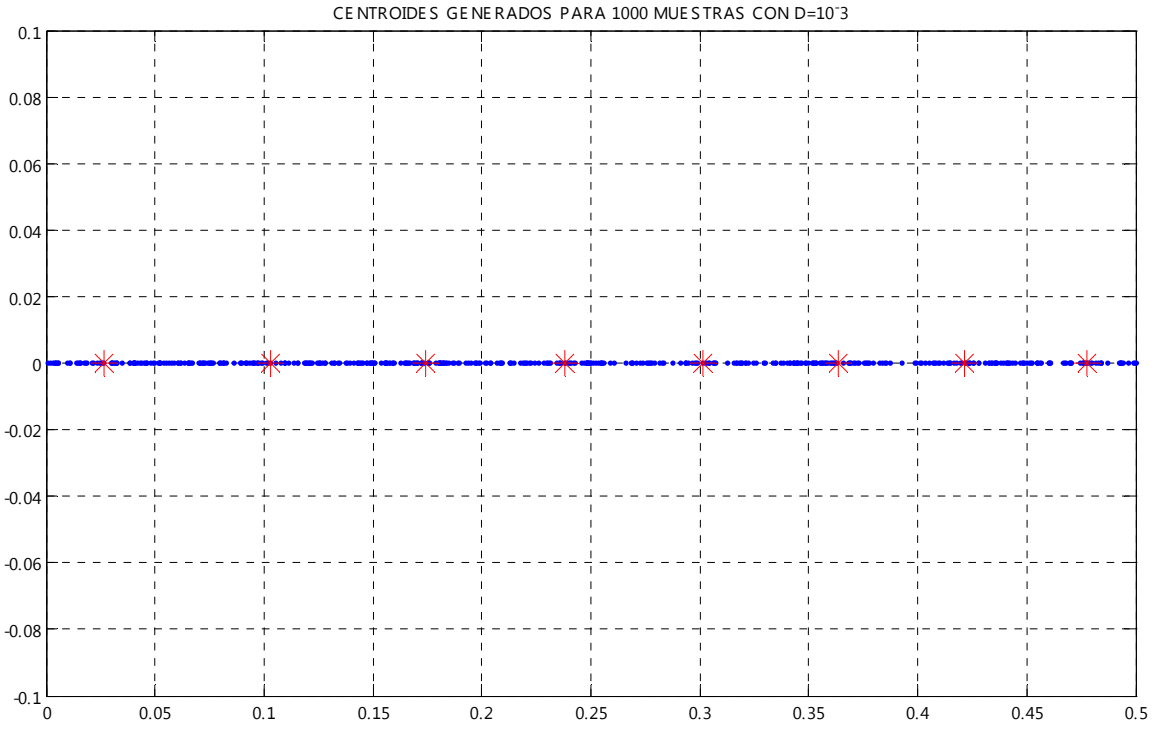


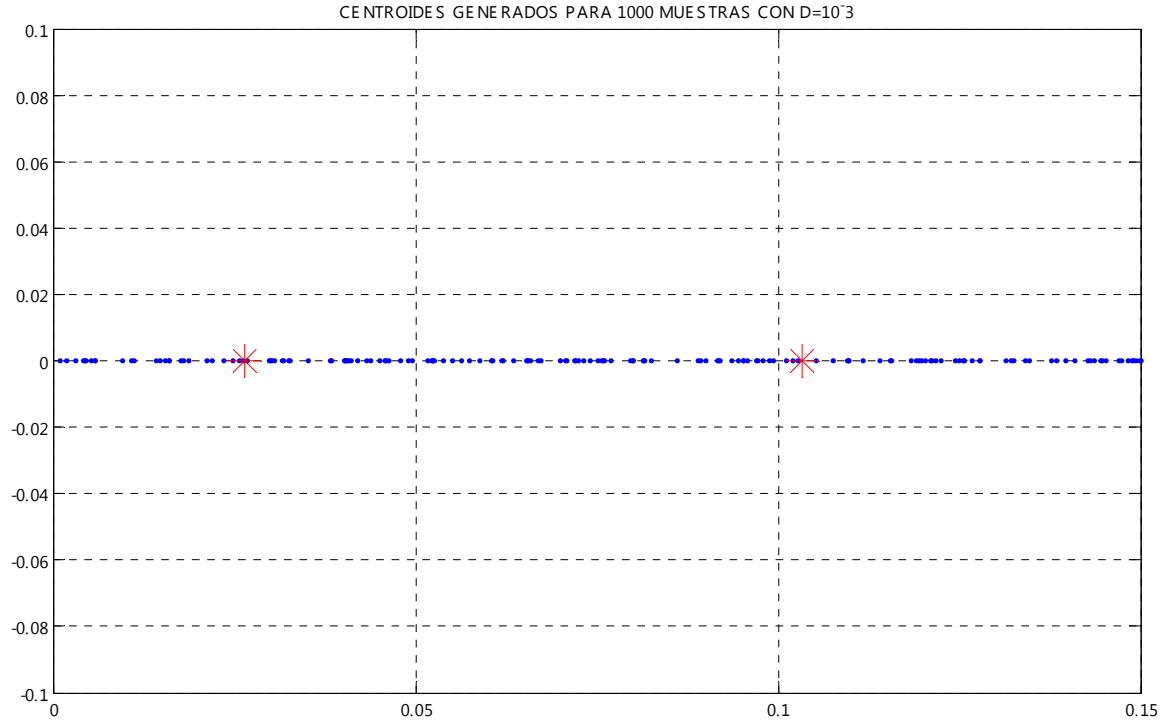




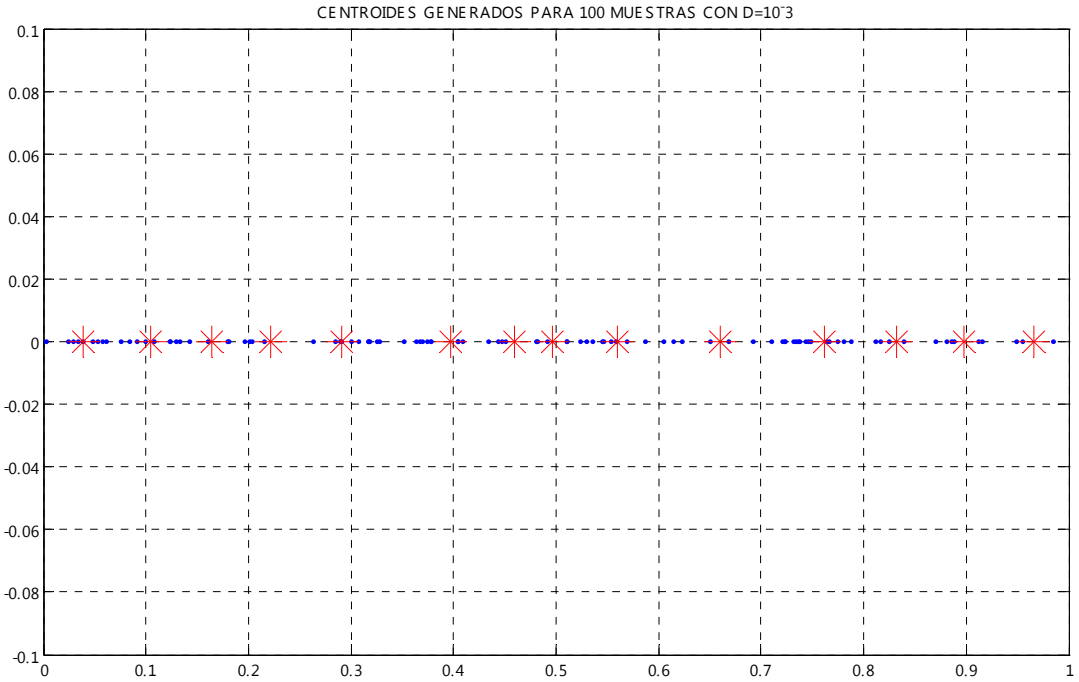
Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.



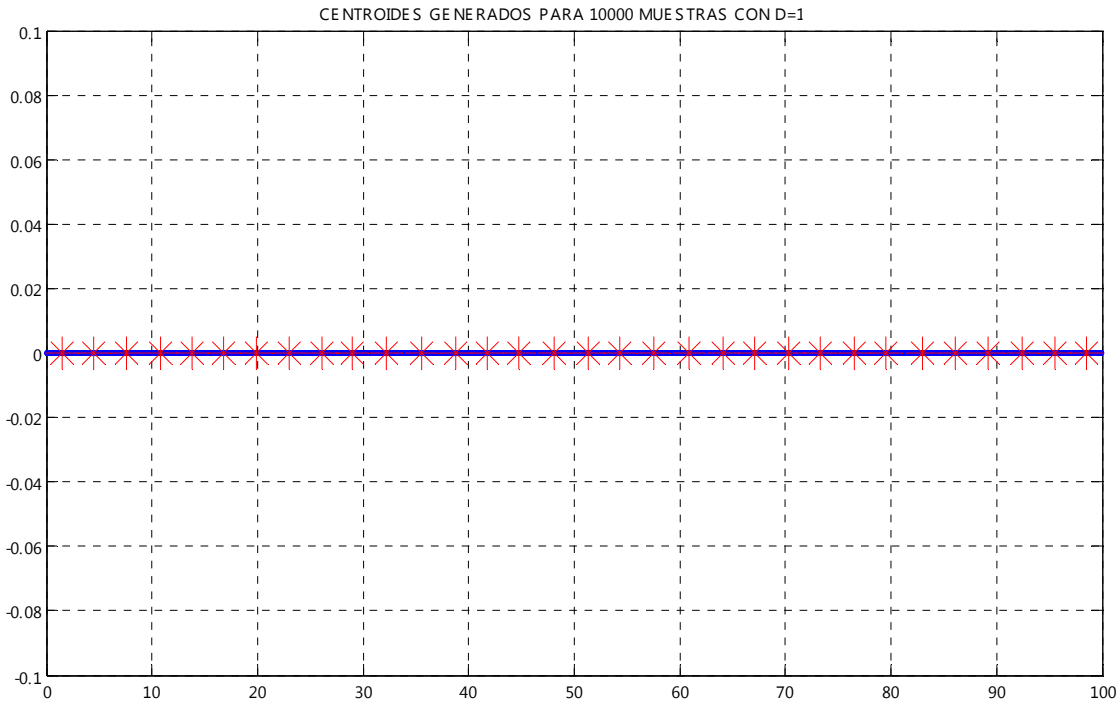

CENTROIDES GENERADOS PARA 1000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5

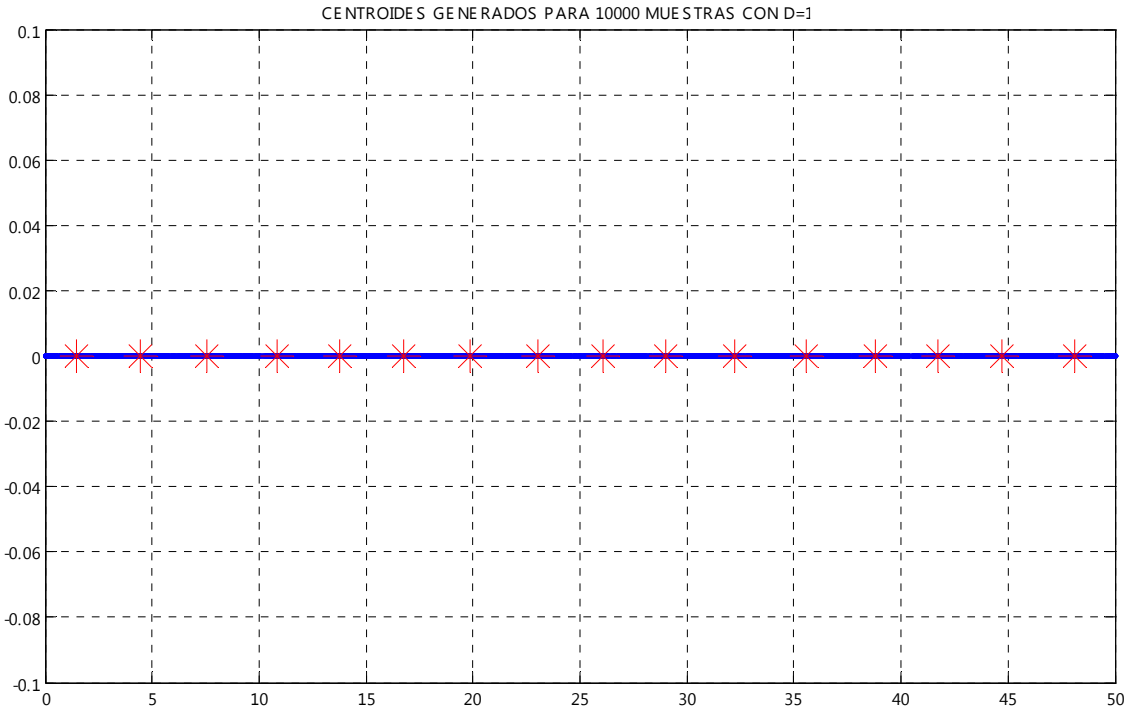

CENTROIDES GENERADOS PARA 1000 MUESTRAS CON D=10^3
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.05
0.1
0.15

Parámetros de Diseño: Centroides generados a partir de 100 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

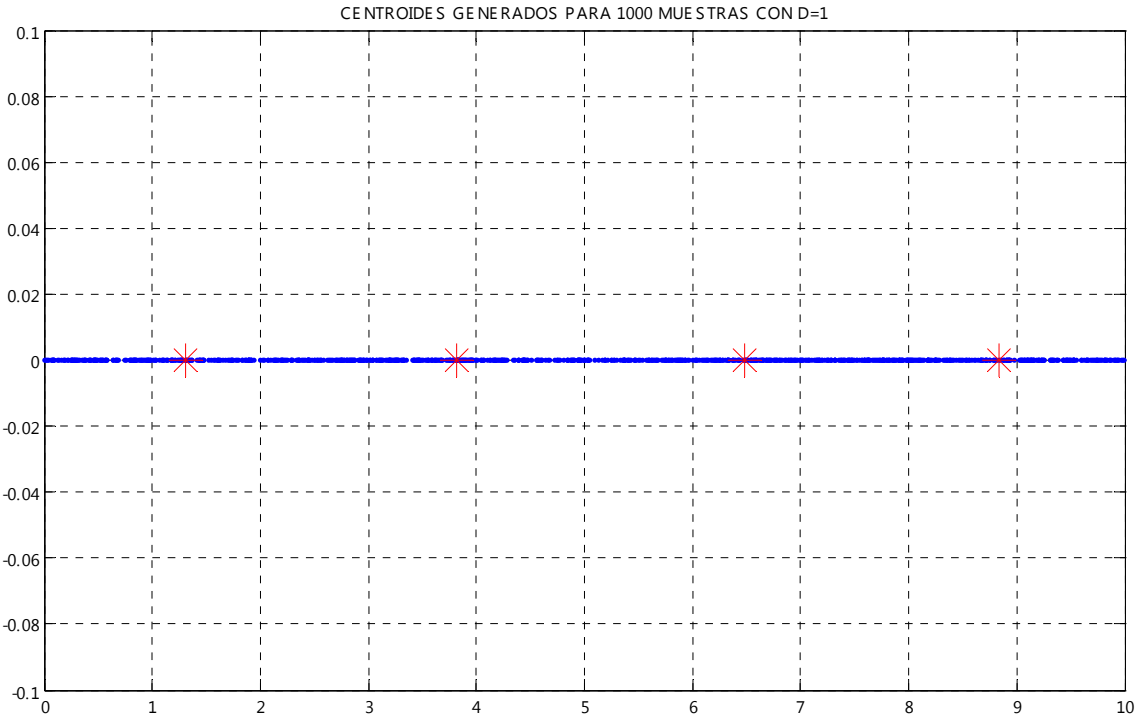


Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.

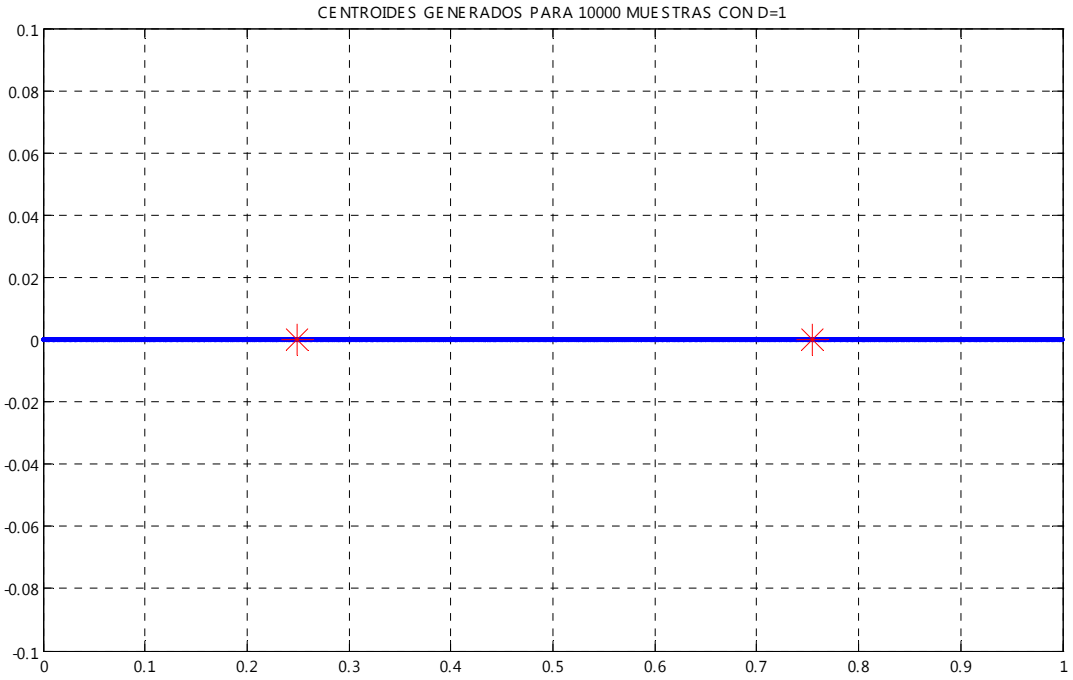




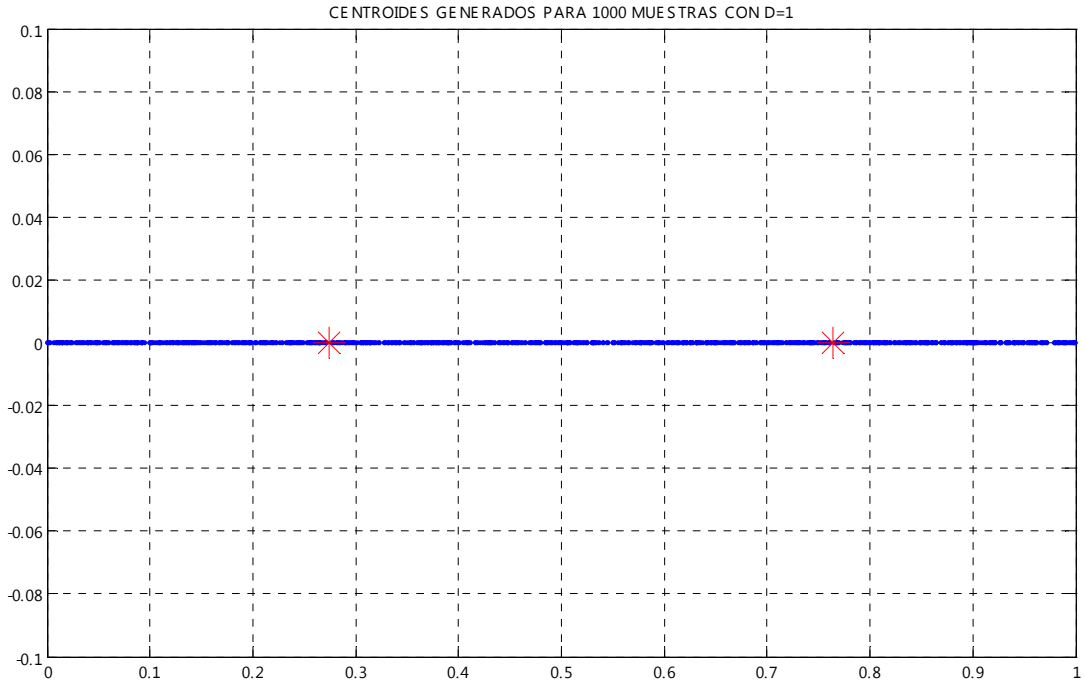
Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.



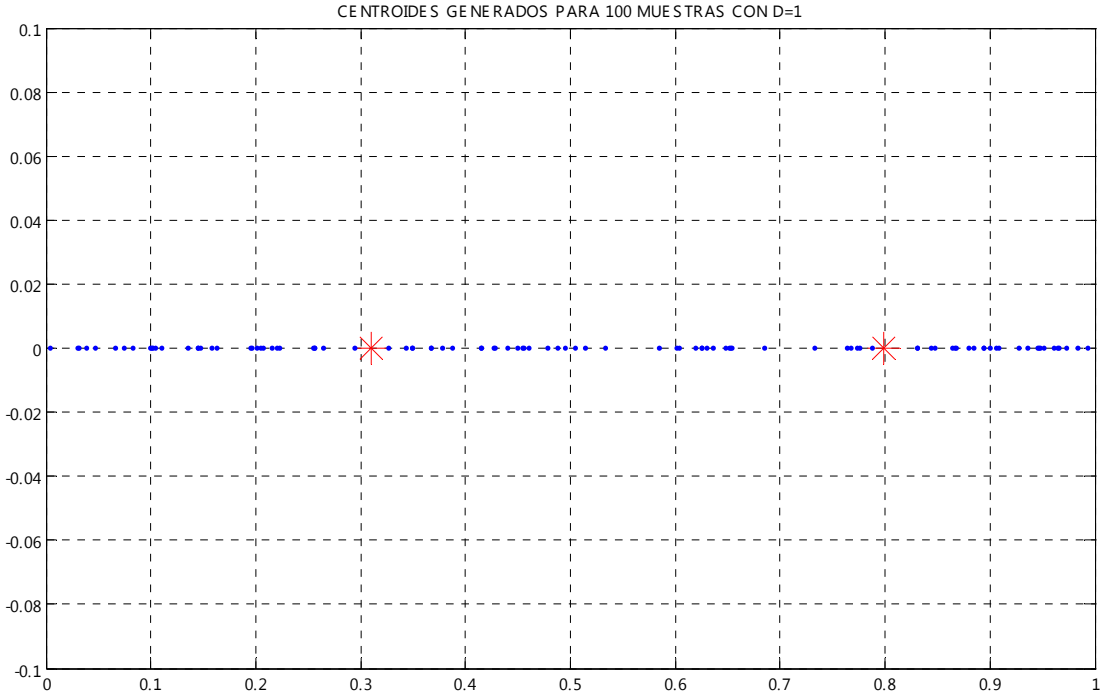
Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.



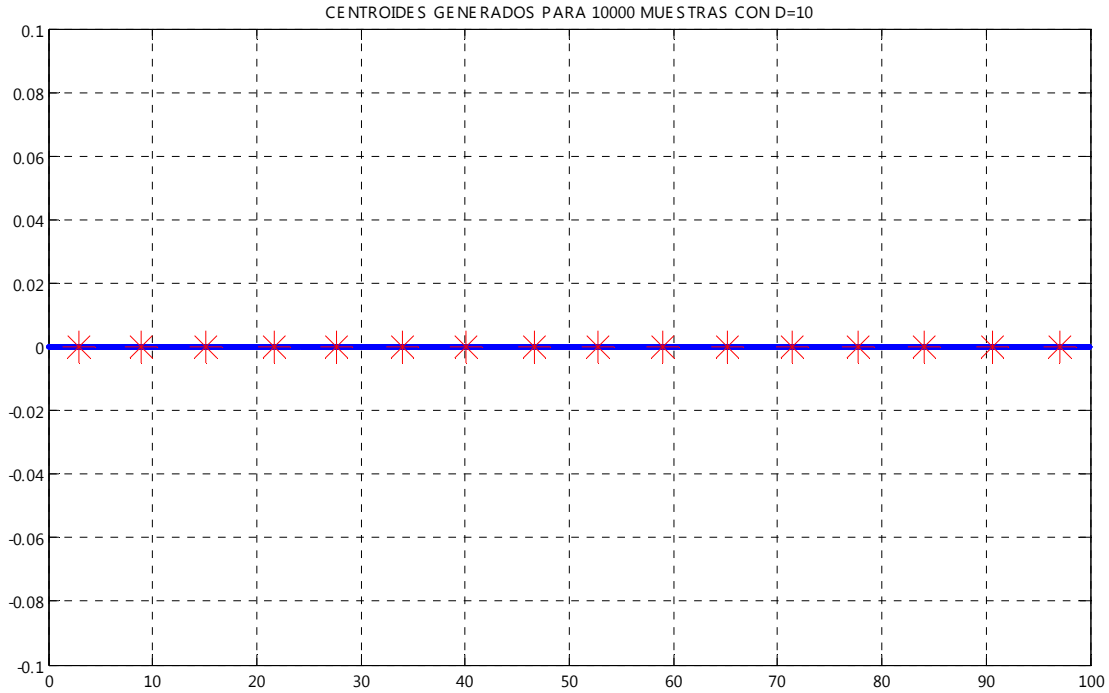
Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.



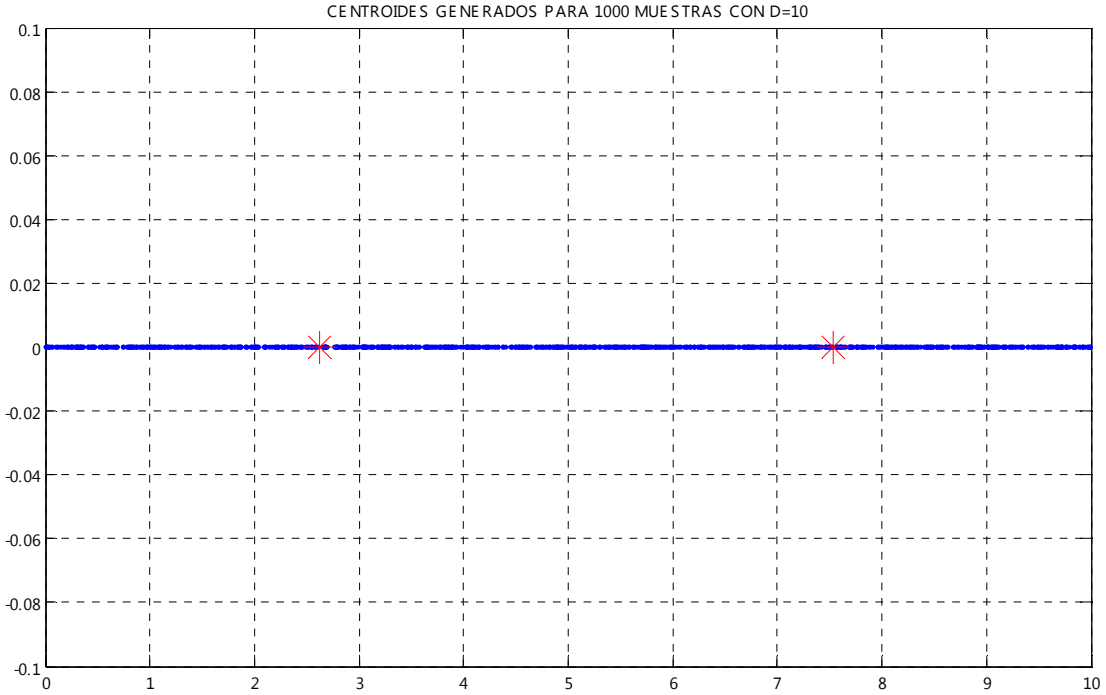
Parámetros de Diseño: Centroides generados a partir de 100 números aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.



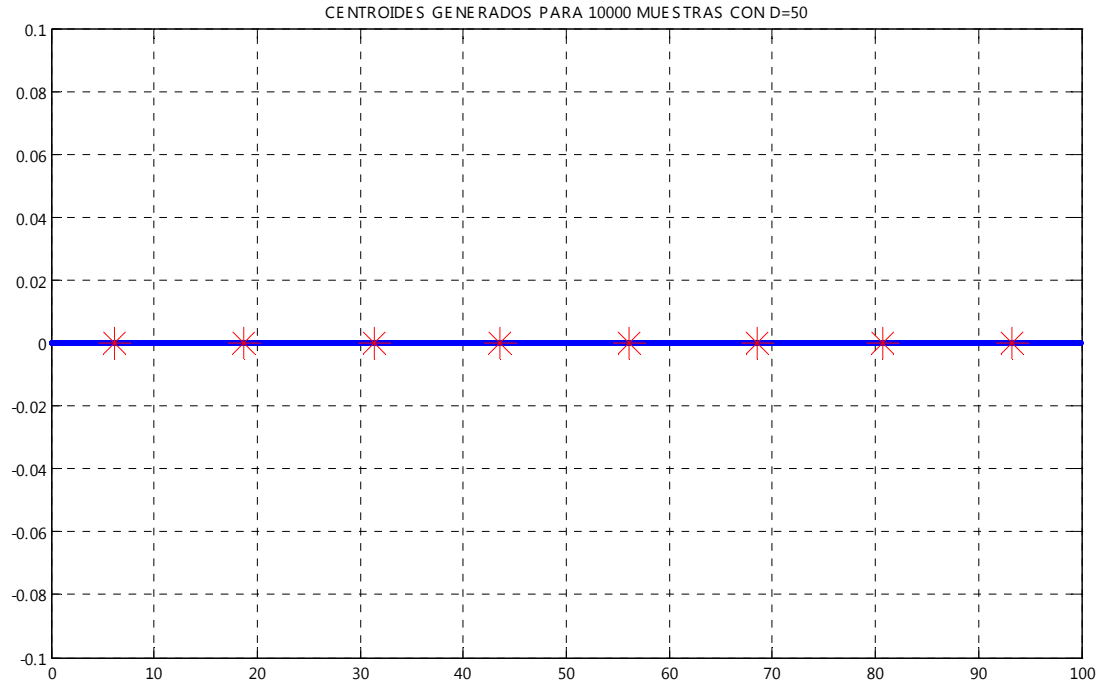
Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 10.



Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios entre [0,10] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 10.



Parámetros de Diseño: Centroides generados a partir de 10 000 números aleatorios entre [0,100] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 50.



ANEXO 3: CUANTIZACIÓN ESCALAR (DISTRIBUCIÓN NORMAL)

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

-2.5997	-0.7788	0.5622	1.7621
-2.4167	-0.6755	0.6534	1.8863
-2.3040	-0.5649	0.7394	2.0157
-2.1865	-0.4601	0.8350	2.1524
-1.6524	-0.3045	0.9572	2.2368
-1.4440	-0.1227	1.1279	2.3410
-1.2786	0.0585	1.3013	2.6289
-1.1291	0.2449	1.5009	2.7110
-1.0016	0.3607	1.6218	
-0.8857	0.4671	1.6759	

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

-1.7868	-0.6191	0.1465	0.9562
-1.0768	-0.2124	0.5224	1.6646

Parámetros de Diseño: Codebook generado a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.

-0.8112	0.7009

Parámetros de Diseño: Codebook generado a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

-2.4373	-1.1250	0.0443	1.5785
-2.2994	-1.0125	0.2642	1.7568
-2.0532	-0.9202	0.4518	1.8744
-1.9083	-0.8043	0.6302	1.9574
-1.6744	-0.6768	0.7924	1.9574
-1.5105	-0.5648	0.9393	2.1242
-1.4013	-0.4680	1.0718	2.2609
-1.3394	-0.3060	1.2686	
-1.2400	-0.1368	1.4472	

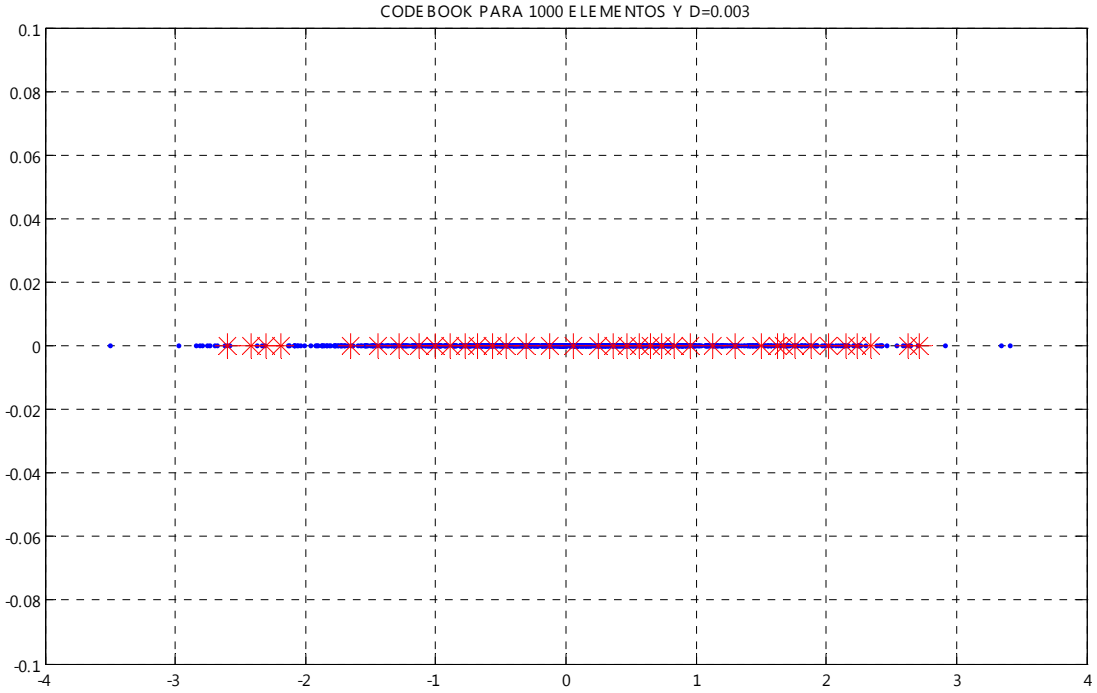
Parámetros de Diseño: Codebook generado a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

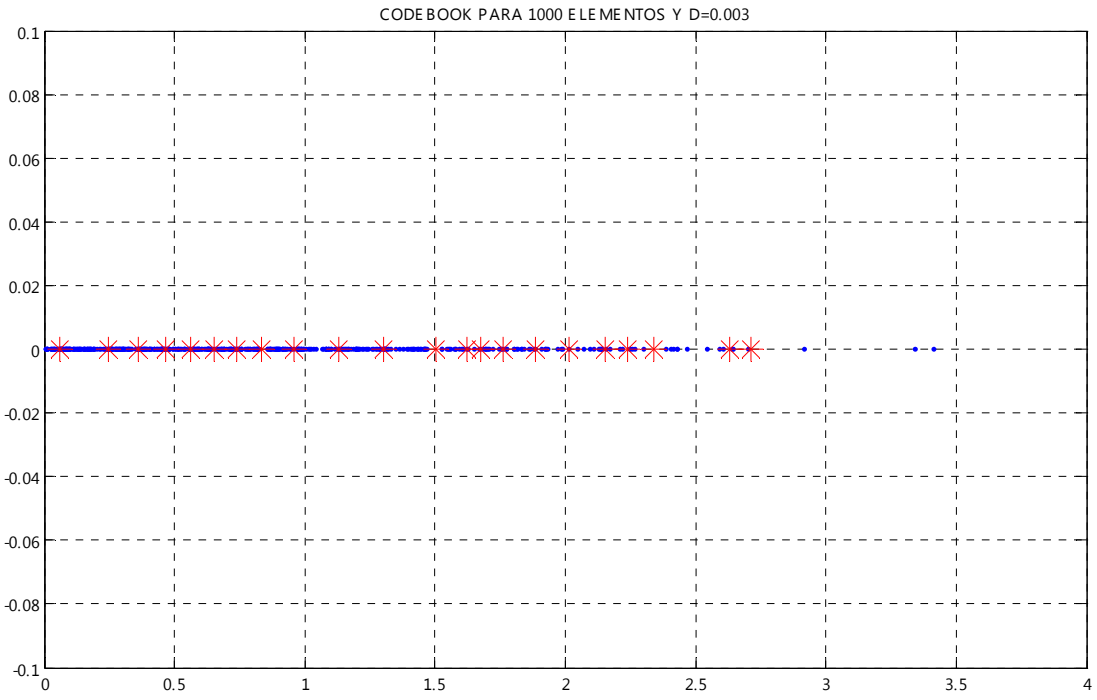
-1.8209	-0.6211	0.1838	0.9448
-1.0588	-0.2145	0.5410	1.6728

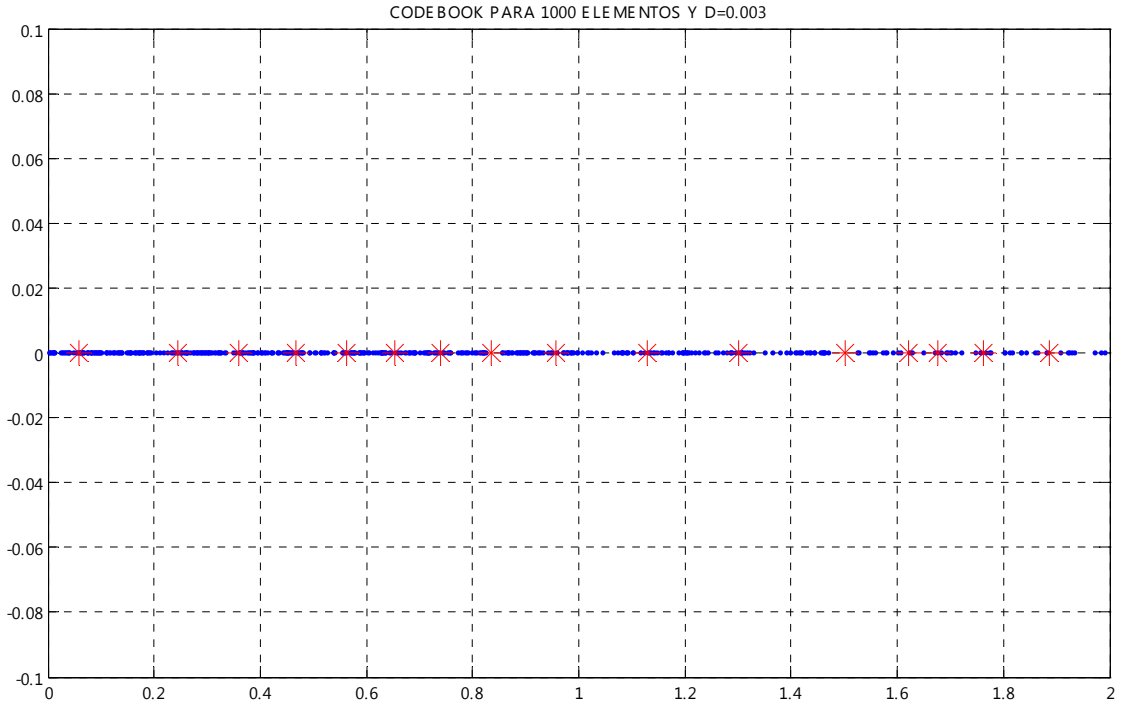
Parámetros de Diseño: Codebook generado a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.	
-0.7753	0.8518

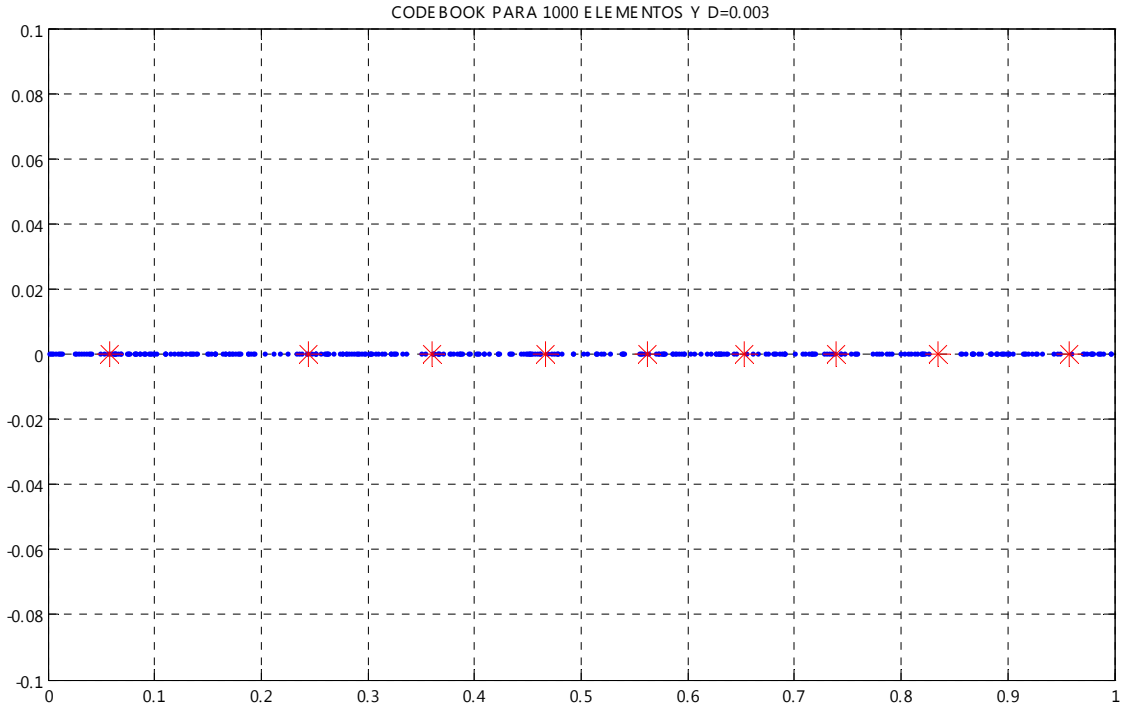
ANEXO 4: ALGORITMO LGB (DISTRIBUCIÓN UNORMAL)

Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

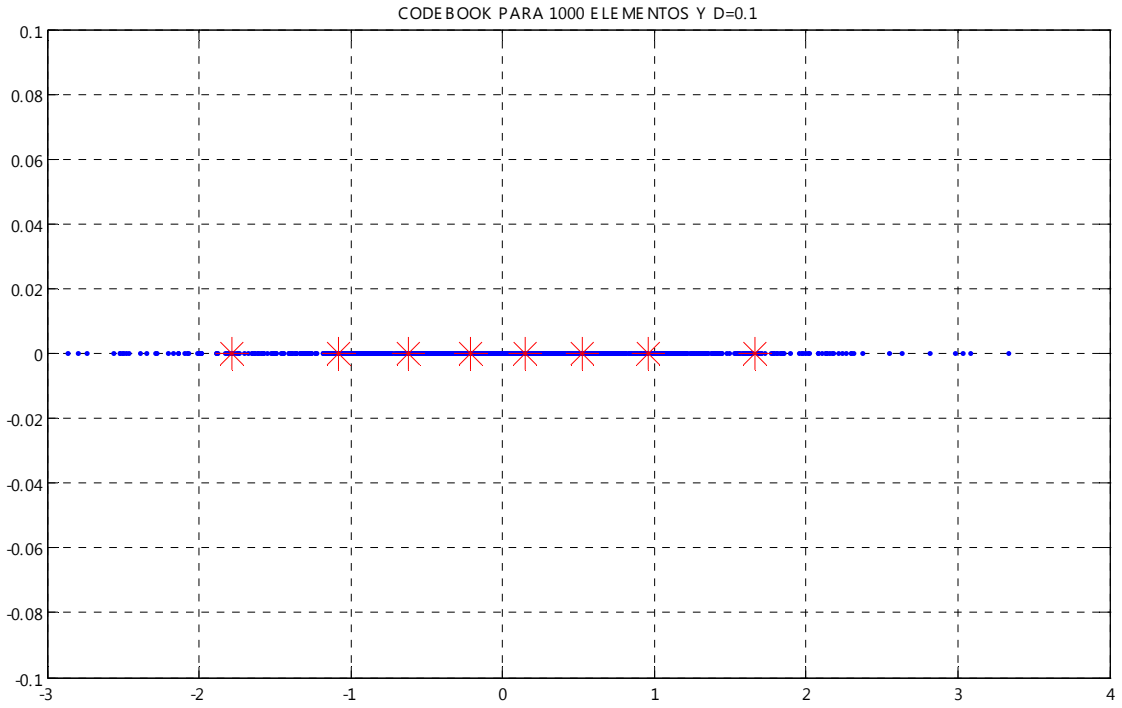


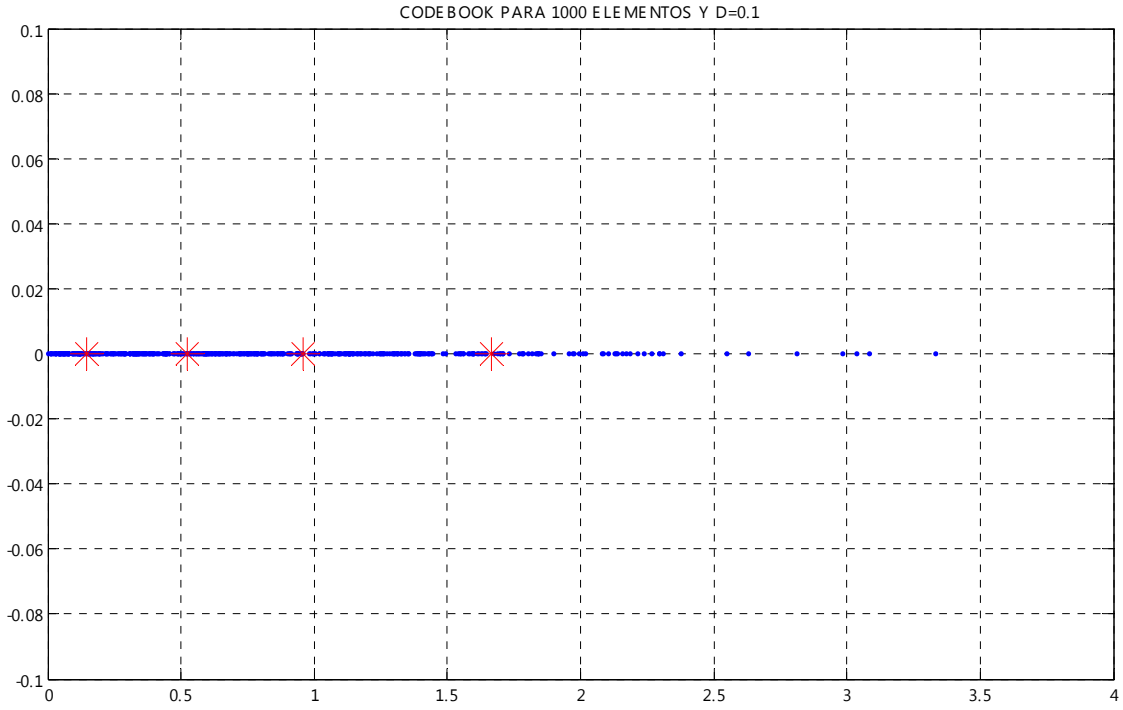


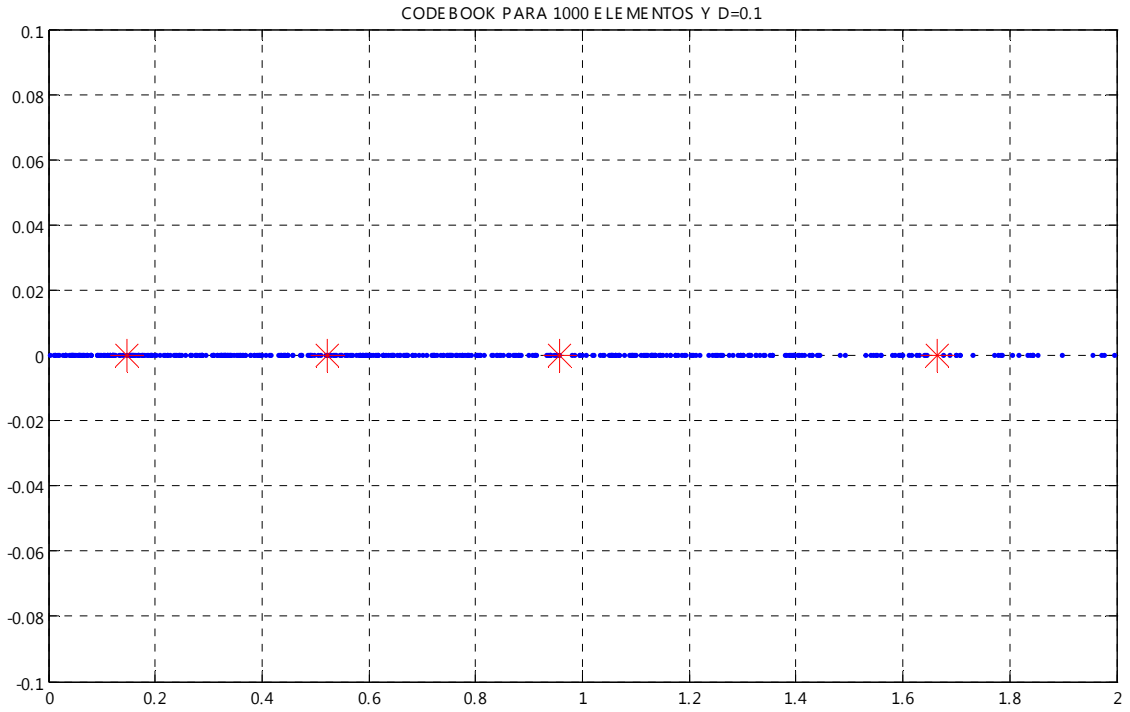

CODEBOOK PARA 1000 ELEMENTOS Y D=0.003
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

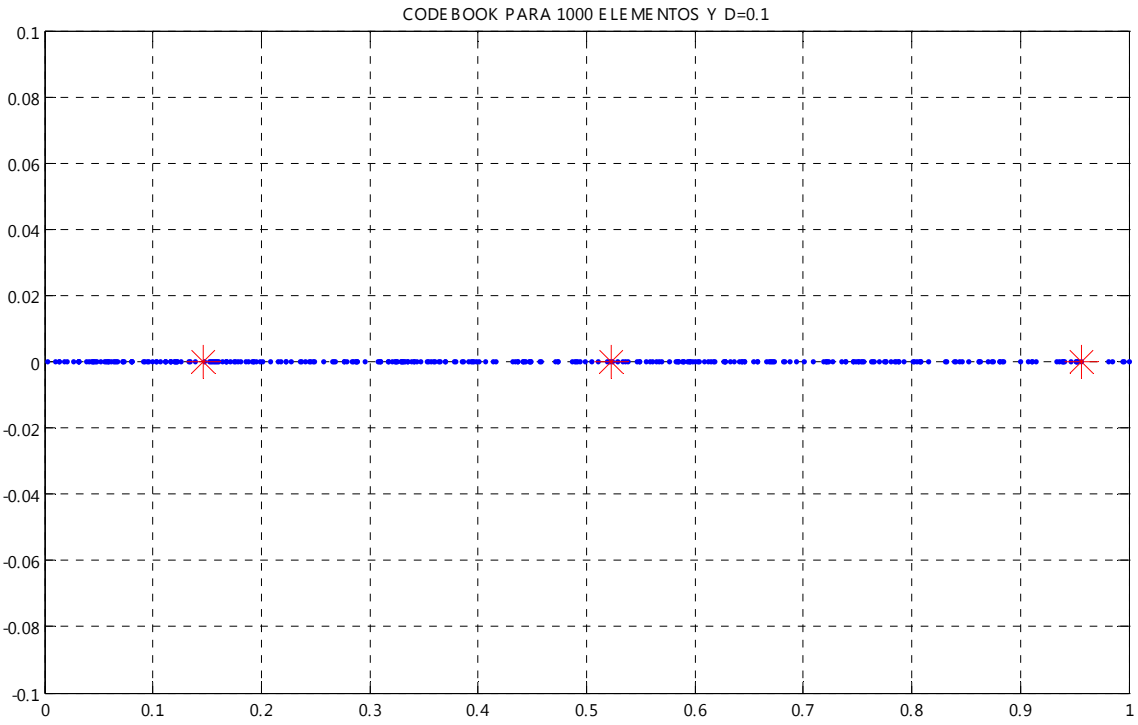

CODEBOOK PARA 1000 ELEMENTOS Y D=0.003
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

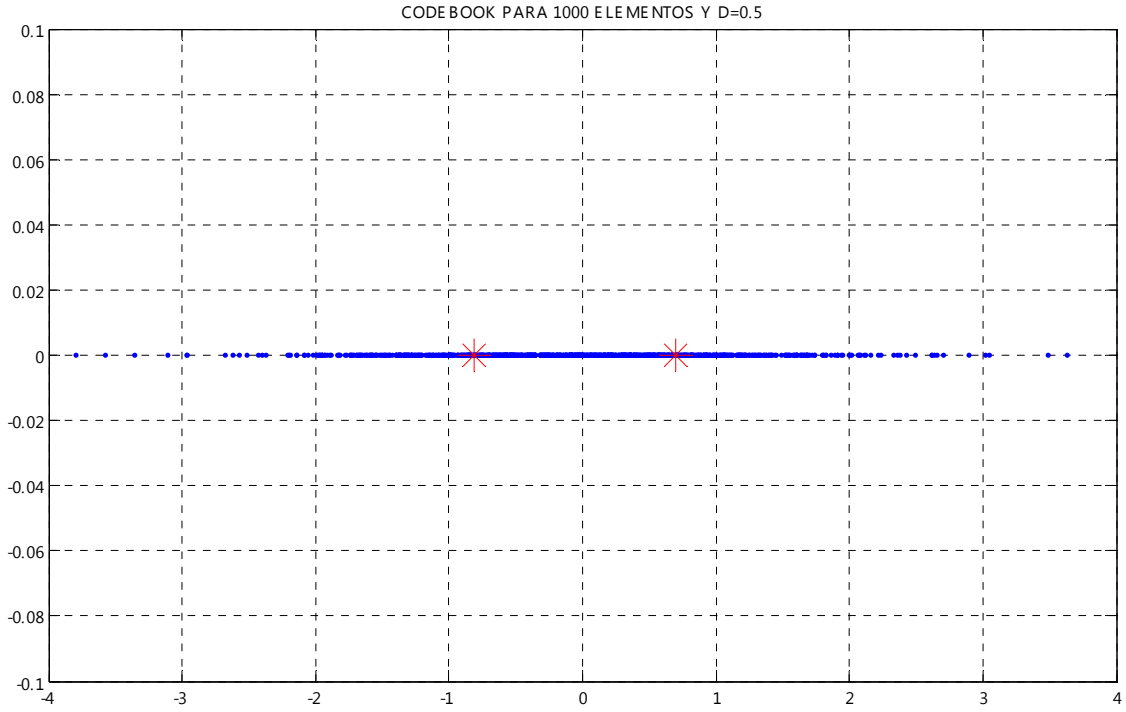


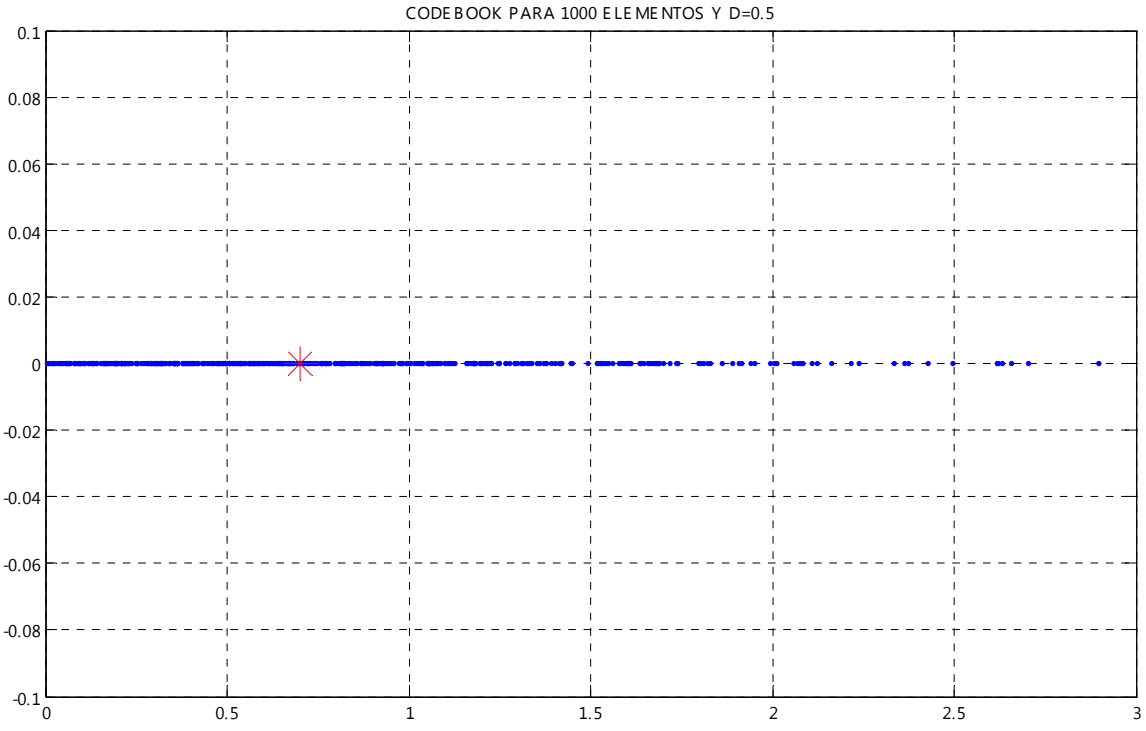



CODEBOOK PARA 1000 ELEMENTOS Y D=0.1
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

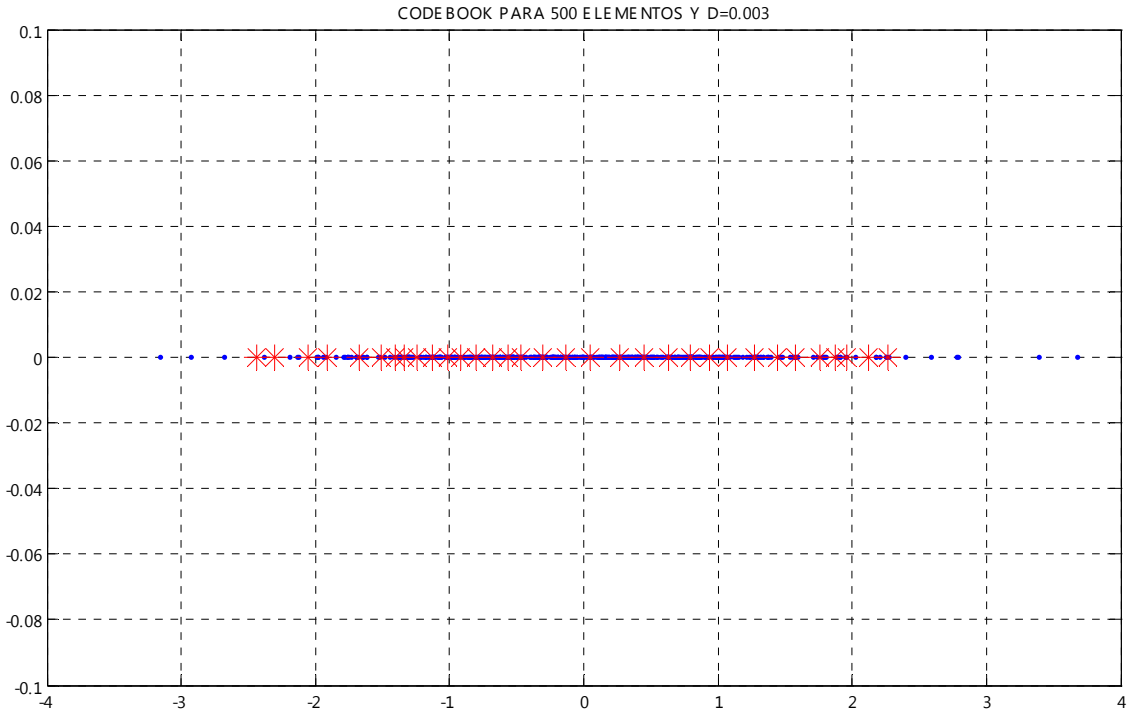

CODEBOOK PARA 1000 ELEMENTOS Y D=0.1
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

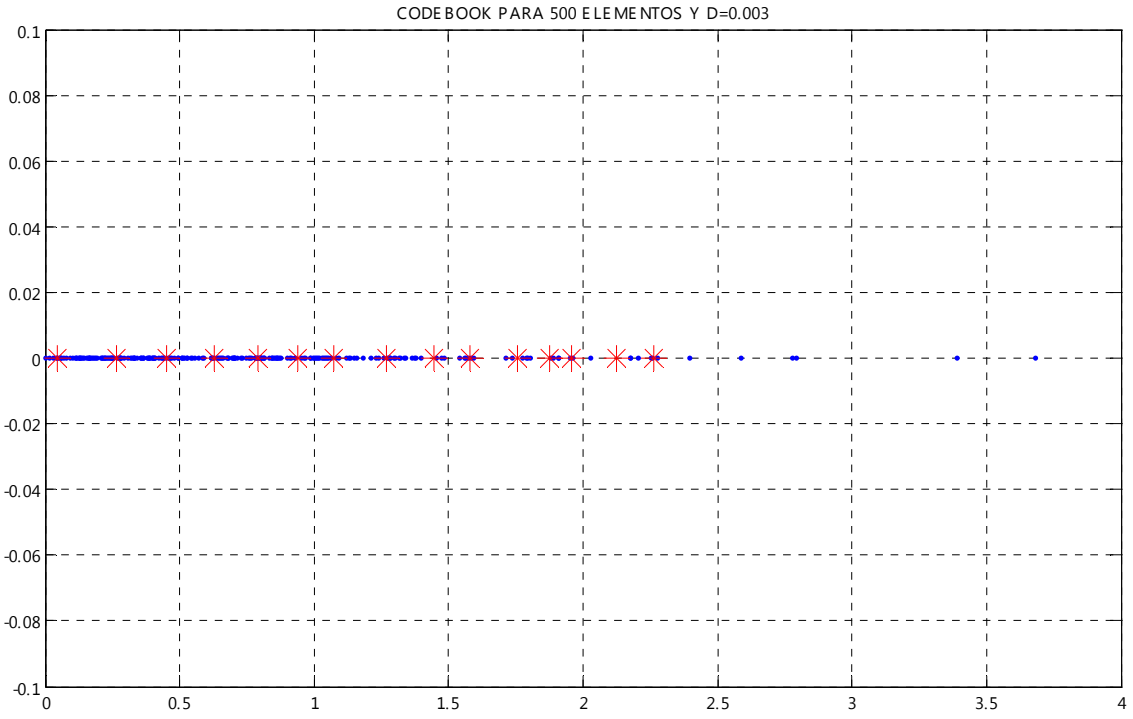
Parámetros de Diseño: Centroides generados a partir de 1 000 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.

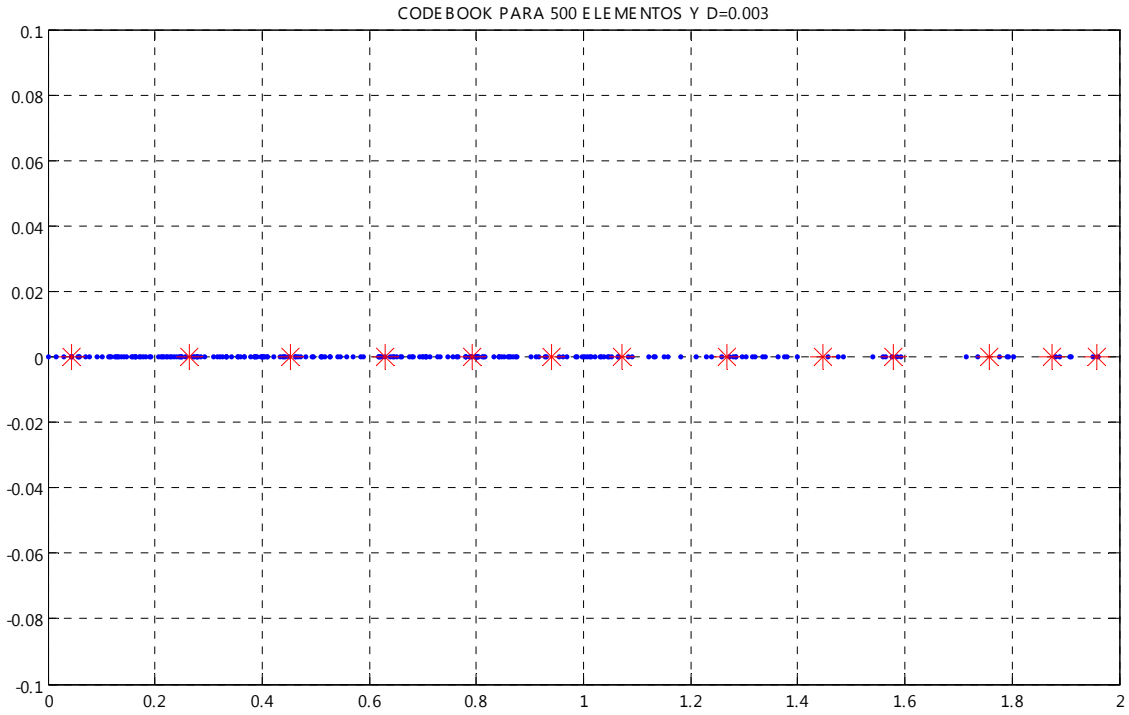


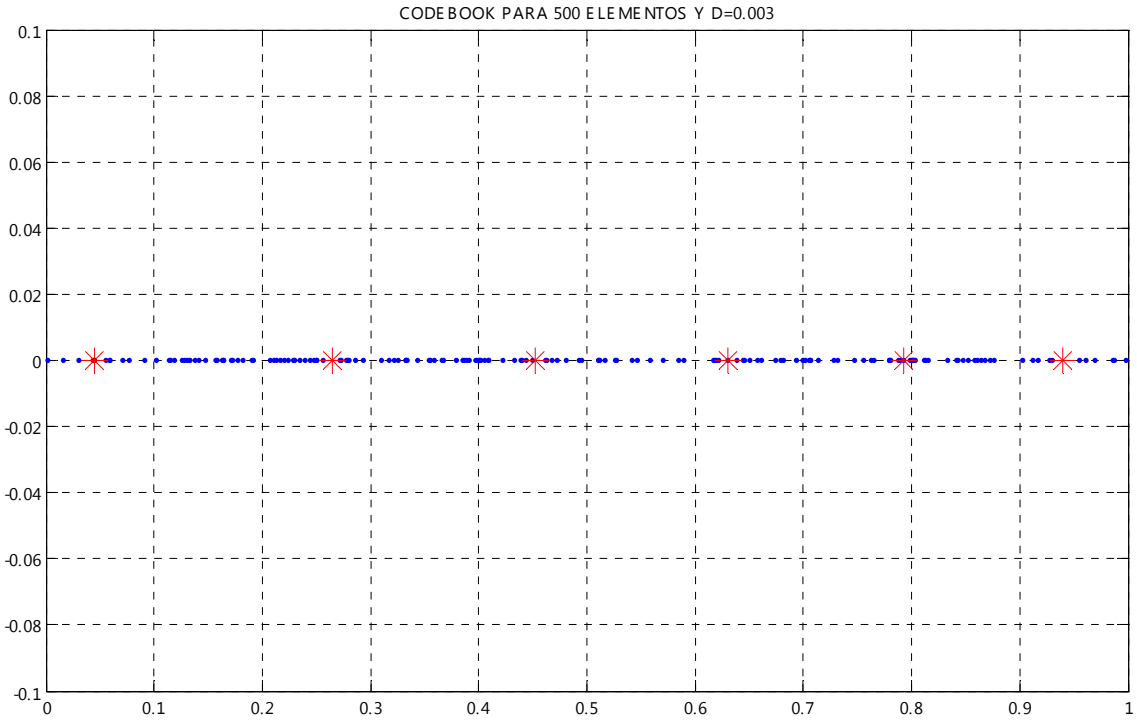


Parámetros de Diseño: Centroides generados a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

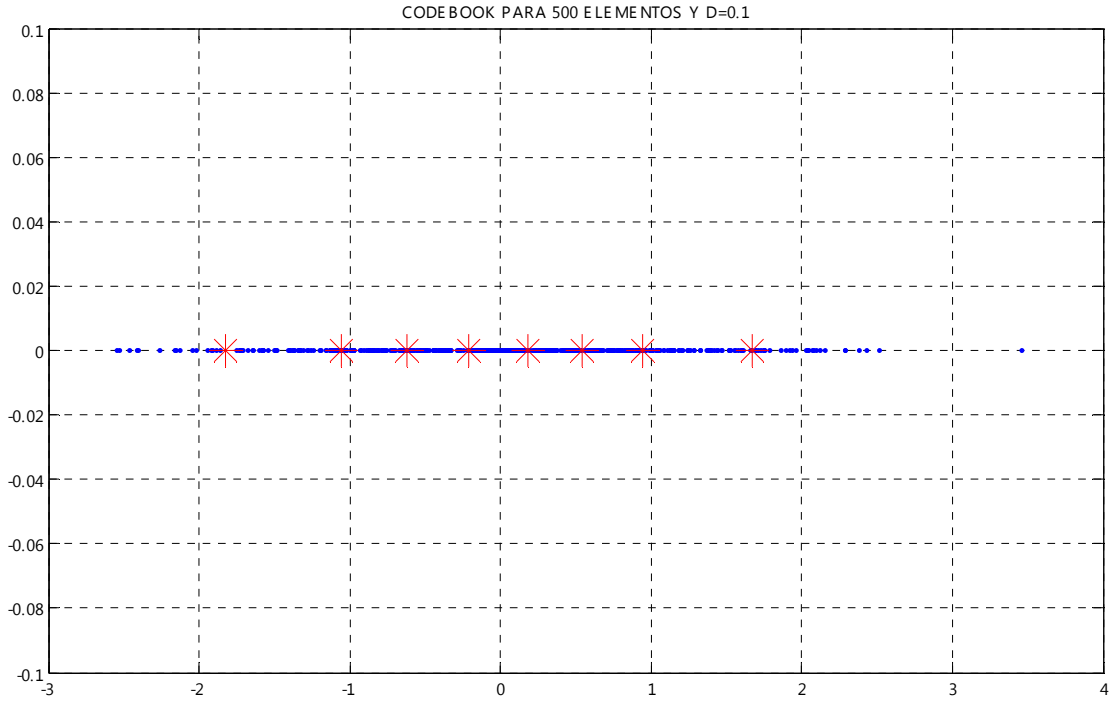


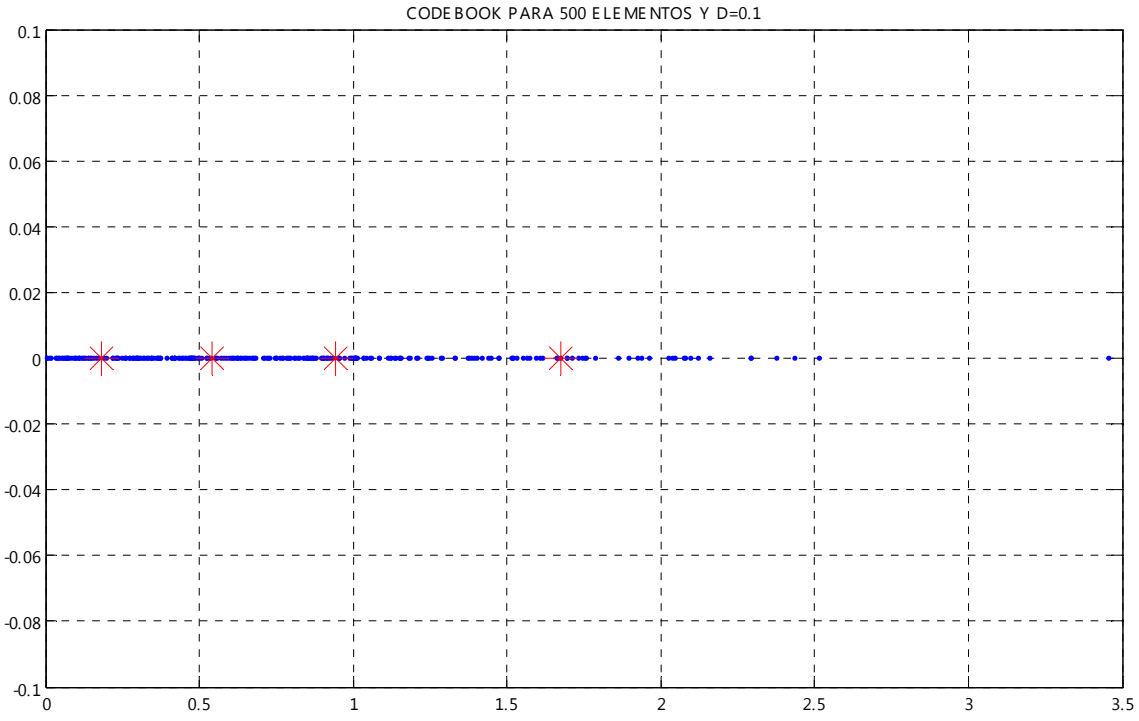


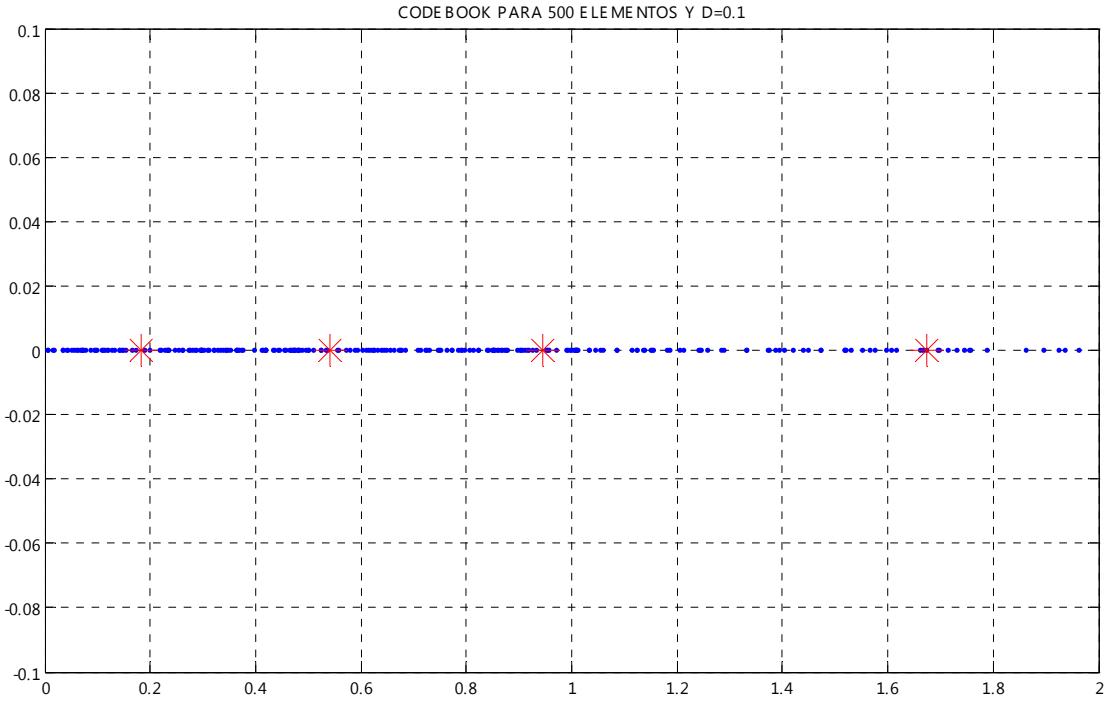

CODEBOOK PARA 500 ELEMENTOS Y D=0.003
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

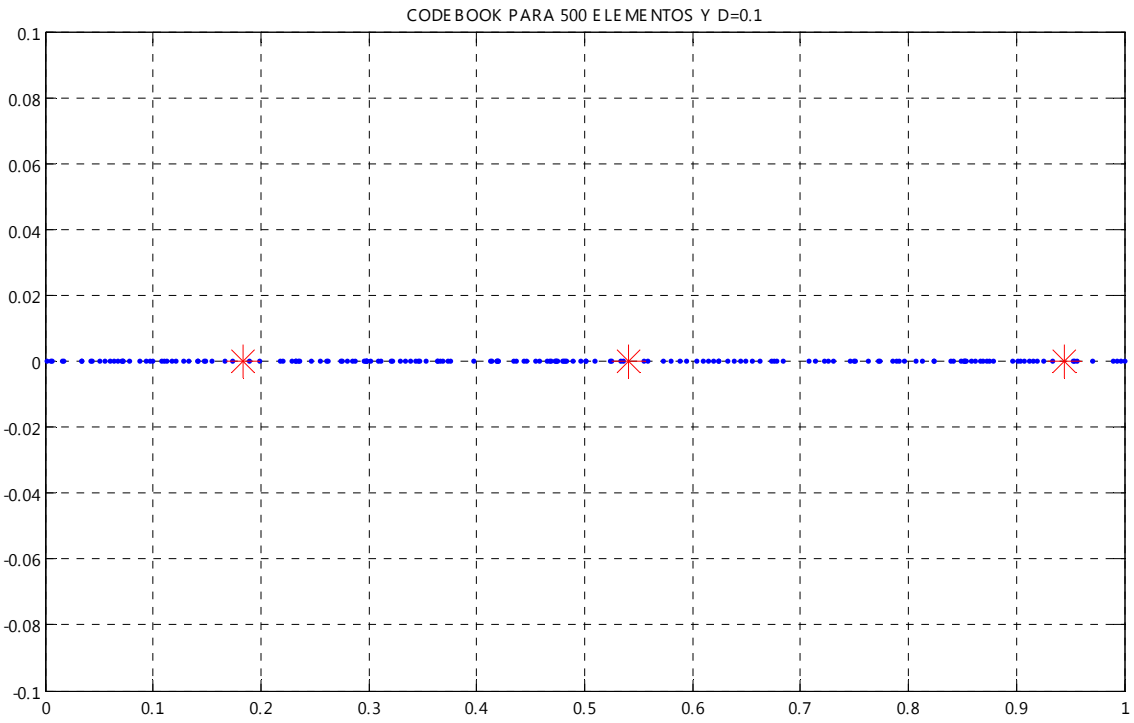

CODEBOOK PARA 500 ELEMENTOS Y D=0.003
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

Parámetros de Diseño: Centroides generados a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

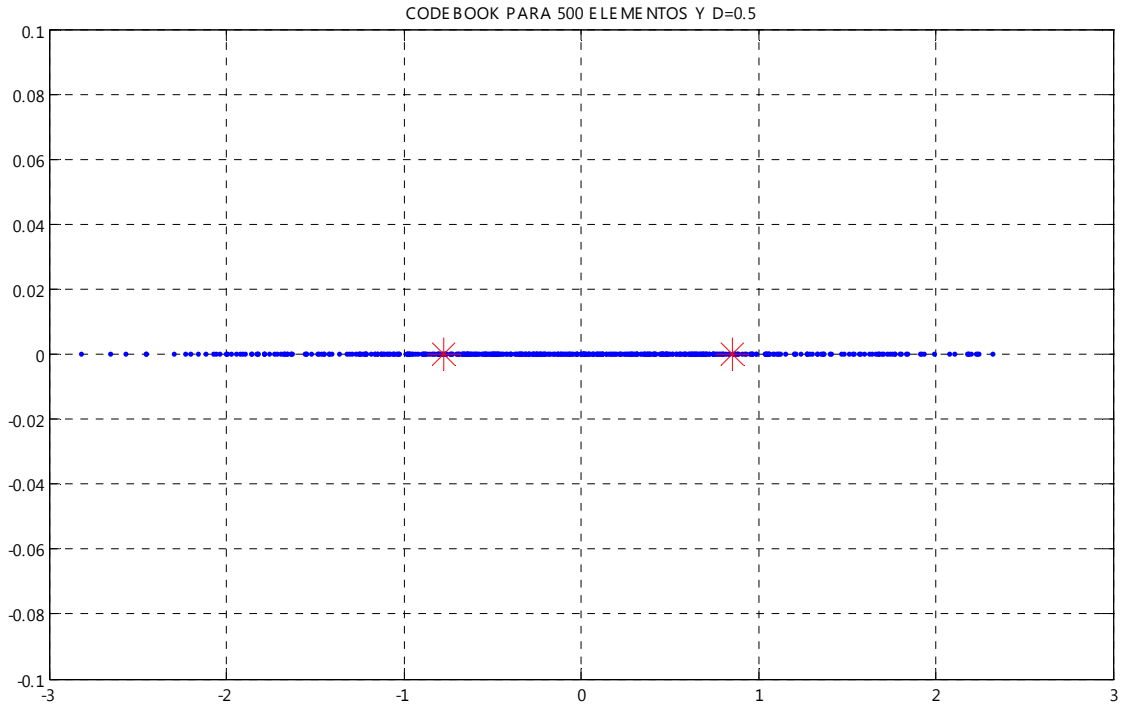


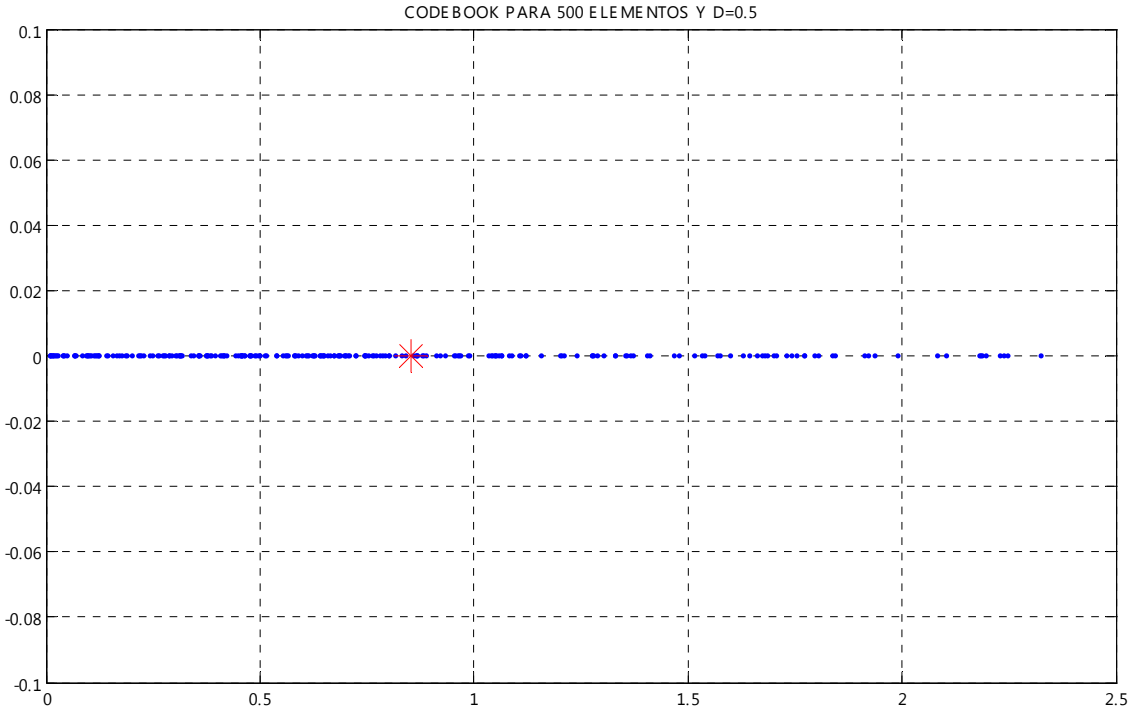



CODEBOOK PARA 500 ELEMENTOS Y D=0.1
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2


CODEBOOK PARA 500 ELEMENTOS Y D=0.1
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

Parámetros de Diseño: Centroides generados a partir de 500 números aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.





ANEXO 5: CUANTIZACIÓN VECTORIAL (DISTRIBUCIÓN UNIFORME)

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

0.0645	0.0645	0.2106	1.4348	0.3534	3.1787
0.0645	0.2106	0.2106	1.5566	0.3534	3.3653
0.0645	0.3534	0.2106	1.6879	0.3534	3.4769
0.0645	0.4693	0.2106	1.8777	0.3534	3.6453
0.0645	0.5976	0.2106	2.0312	0.3534	3.8181
0.0645	0.7294	0.2106	2.2034	0.3534	3.9419
0.0645	0.8190	0.2106	2.3868	0.3534	4.1071
0.0645	0.8958	0.2106	2.5851	0.3534	4.2633
0.0645	1.0202	0.2106	2.7279	0.3534	4.4385
0.0645	1.1423	0.2106	2.9044	0.3534	4.5848
0.0645	1.2551	0.2106	3.0506	0.3534	4.7832
0.0645	1.4348	0.2106	3.1787	0.3534	4.9343
0.0645	1.5566	0.2106	3.3653	0.4693	0.0645
0.0645	1.6879	0.2106	3.4769	0.4693	0.2106
0.0645	1.8777	0.2106	3.6453	0.4693	0.3534
0.0645	2.0312	0.2106	3.8181	0.4693	0.4693
0.0645	2.2034	0.2106	3.9419	0.4693	0.5976
0.0645	2.3868	0.2106	4.1071	0.4693	0.7294
0.0645	2.5851	0.2106	4.2633	0.4693	0.8190
0.0645	2.7279	0.2106	4.4385	0.4693	0.8958
0.0645	2.9044	0.2106	4.5848	0.4693	1.0202
0.0645	3.0506	0.2106	4.7832	0.4693	1.1423
0.0645	3.1787	0.2106	4.9343	0.4693	1.2551
0.0645	3.3653	0.3534	0.0645	0.4693	1.4348
0.0645	3.4769	0.3534	0.2106	0.4693	1.5566
0.0645	3.6453	0.3534	0.3534	0.4693	1.6879
0.0645	3.8181	0.3534	0.4693	0.4693	1.8777
0.0645	3.9419	0.3534	0.5976	0.4693	2.0312
0.0645	4.1071	0.3534	0.7294	0.4693	2.2034
0.0645	4.2633	0.3534	0.8190	0.4693	2.3868
0.0645	4.4385	0.3534	0.8958	0.4693	2.5851
0.0645	4.5848	0.3534	1.0202	0.4693	2.7279
0.0645	4.7832	0.3534	1.1423	0.4693	2.9044
0.0645	4.9343	0.3534	1.2551	0.4693	3.0506
0.2106	0.0645	0.3534	1.4348	0.4693	3.1787
0.2106	0.2106	0.3534	1.5566	0.4693	3.3653
0.2106	0.3534	0.3534	1.6879	0.4693	3.4769
0.2106	0.4693	0.3534	1.8777	0.4693	3.6453
0.2106	0.5976	0.3534	2.0312	0.4693	3.8181
0.2106	0.7294	0.3534	2.2034	0.4693	3.9419
0.2106	0.8190	0.3534	2.3868	0.4693	4.1071
0.2106	0.8958	0.3534	2.5851	0.4693	4.2633
0.2106	1.0202	0.3534	2.7279	0.4693	4.4385
0.2106	1.1423	0.3534	2.9044	0.4693	4.5848
0.2106	1.2551	0.3534	3.0506	0.4693	4.7832

0.4693	4.9343	0.7294	2.2034	0.8190	4.9343
0.5976	0.0645	0.7294	2.3868	0.8958	0.0645
0.5976	0.2106	0.7294	2.5851	0.8958	0.2106
0.5976	0.3534	0.7294	2.7279	0.8958	0.3534
0.5976	0.4693	0.7294	2.9044	0.8958	0.4693
0.5976	0.5976	0.7294	3.0506	0.8958	0.5976
0.5976	0.7294	0.7294	3.1787	0.8958	0.7294
0.5976	0.8190	0.7294	3.3653	0.8958	0.8190
0.5976	0.8958	0.7294	3.4769	0.8958	0.8958
0.5976	1.0202	0.7294	3.6453	0.8958	1.0202
0.5976	1.1423	0.7294	3.8181	0.8958	1.1423
0.5976	1.2551	0.7294	3.9419	0.8958	1.2551
0.5976	1.4348	0.7294	4.1071	0.8958	1.4348
0.5976	1.5566	0.7294	4.2633	0.8958	1.5566
0.5976	1.6879	0.7294	4.4385	0.8958	1.6879
0.5976	1.8777	0.7294	4.5848	0.8958	1.8777
0.5976	2.0312	0.7294	4.7832	0.8958	2.0312
0.5976	2.2034	0.7294	4.9343	0.8958	2.2034
0.5976	2.3868	0.8190	0.0645	0.8958	2.3868
0.5976	2.5851	0.8190	0.2106	0.8958	2.5851
0.5976	2.7279	0.8190	0.3534	0.8958	2.7279
0.5976	2.9044	0.8190	0.4693	0.8958	2.9044
0.5976	3.0506	0.8190	0.5976	0.8958	3.0506
0.5976	3.1787	0.8190	0.7294	0.8958	3.1787
0.5976	3.3653	0.8190	0.8190	0.8958	3.3653
0.5976	3.4769	0.8190	0.8958	0.8958	3.4769
0.5976	3.6453	0.8190	1.0202	0.8958	3.6453
0.5976	3.8181	0.8190	1.1423	0.8958	3.8181
0.5976	3.9419	0.8190	1.2551	0.8958	3.9419
0.5976	4.1071	0.8190	1.4348	0.8958	4.1071
0.5976	4.2633	0.8190	1.5566	0.8958	4.2633
0.5976	4.4385	0.8190	1.6879	0.8958	4.4385
0.5976	4.5848	0.8190	1.8777	0.8958	4.5848
0.5976	4.7832	0.8190	2.0312	0.8958	4.7832
0.5976	4.9343	0.8190	2.2034	0.8958	4.9343
0.7294	0.0645	0.8190	2.3868	1.0202	0.0645
0.7294	0.2106	0.8190	2.5851	1.0202	0.2106
0.7294	0.3534	0.8190	2.7279	1.0202	0.3534
0.7294	0.4693	0.8190	2.9044	1.0202	0.4693
0.7294	0.5976	0.8190	3.0506	1.0202	0.5976
0.7294	0.7294	0.8190	3.1787	1.0202	0.7294
0.7294	0.8190	0.8190	3.3653	1.0202	0.8190
0.7294	0.8958	0.8190	3.4769	1.0202	0.8958
0.7294	1.0202	0.8190	3.6453	1.0202	1.0202
0.7294	1.1423	0.8190	3.8181	1.0202	1.1423
0.7294	1.2551	0.8190	3.9419	1.0202	1.2551
0.7294	1.4348	0.8190	4.1071	1.0202	1.4348
0.7294	1.5566	0.8190	4.2633	1.0202	1.5566
0.7294	1.6879	0.8190	4.4385	1.0202	1.6879
0.7294	1.8777	0.8190	4.5848	1.0202	1.8777
0.7294	2.0312	0.8190	4.7832	1.0202	2.0312

1.0202	2.2034	1.1423	4.9343	1.4348	2.2034
1.0202	2.3868	1.2551	0.0645	1.4348	2.3868
1.0202	2.5851	1.2551	0.2106	1.4348	2.5851
1.0202	2.7279	1.2551	0.3534	1.4348	2.7279
1.0202	2.9044	1.2551	0.4693	1.4348	2.9044
1.0202	3.0506	1.2551	0.5976	1.4348	3.0506
1.0202	3.1787	1.2551	0.7294	1.4348	3.1787
1.0202	3.3653	1.2551	0.8190	1.4348	3.3653
1.0202	3.4769	1.2551	0.8958	1.4348	3.4769
1.0202	3.6453	1.2551	1.0202	1.4348	3.6453
1.0202	3.8181	1.2551	1.1423	1.4348	3.8181
1.0202	3.9419	1.2551	1.2551	1.4348	3.9419
1.0202	4.1071	1.2551	1.4348	1.4348	4.1071
1.0202	4.2633	1.2551	1.5566	1.4348	4.2633
1.0202	4.4385	1.2551	1.6879	1.4348	4.4385
1.0202	4.5848	1.2551	1.8777	1.4348	4.5848
1.0202	4.7832	1.2551	2.0312	1.4348	4.7832
1.0202	4.9343	1.2551	2.2034	1.4348	4.9343
1.1423	0.0645	1.2551	2.3868	1.5566	0.0645
1.1423	0.2106	1.2551	2.5851	1.5566	0.2106
1.1423	0.3534	1.2551	2.7279	1.5566	0.3534
1.1423	0.4693	1.2551	2.9044	1.5566	0.4693
1.1423	0.5976	1.2551	3.0506	1.5566	0.5976
1.1423	0.7294	1.2551	3.1787	1.5566	0.7294
1.1423	0.8190	1.2551	3.3653	1.5566	0.8190
1.1423	0.8958	1.2551	3.4769	1.5566	0.8958
1.1423	1.0202	1.2551	3.6453	1.5566	1.0202
1.1423	1.1423	1.2551	3.8181	1.5566	1.1423
1.1423	1.2551	1.2551	3.9419	1.5566	1.2551
1.1423	1.4348	1.2551	4.1071	1.5566	1.4348
1.1423	1.5566	1.2551	4.2633	1.5566	1.5566
1.1423	1.6879	1.2551	4.4385	1.5566	1.6879
1.1423	1.8777	1.2551	4.5848	1.5566	1.8777
1.1423	2.0312	1.2551	4.7832	1.5566	2.0312
1.1423	2.2034	1.2551	4.9343	1.5566	2.2034
1.1423	2.3868	1.4348	0.0645	1.5566	2.3868
1.1423	2.5851	1.4348	0.2106	1.5566	2.5851
1.1423	2.7279	1.4348	0.3534	1.5566	2.7279
1.1423	2.9044	1.4348	0.4693	1.5566	2.9044
1.1423	3.0506	1.4348	0.5976	1.5566	3.0506
1.1423	3.1787	1.4348	0.7294	1.5566	3.1787
1.1423	3.3653	1.4348	0.8190	1.5566	3.3653
1.1423	3.4769	1.4348	0.8958	1.5566	3.4769
1.1423	3.6453	1.4348	1.0202	1.5566	3.6453
1.1423	3.8181	1.4348	1.1423	1.5566	3.8181
1.1423	3.9419	1.4348	1.2551	1.5566	3.9419
1.1423	4.1071	1.4348	1.4348	1.5566	4.1071
1.1423	4.2633	1.4348	1.5566	1.5566	4.2633
1.1423	4.4385	1.4348	1.6879	1.5566	4.4385
1.1423	4.5848	1.4348	1.8777	1.5566	4.5848
1.1423	4.7832	1.4348	2.0312	1.5566	4.7832

1.5566	4.9343	1.8777	2.2034	2.0312	4.9343
1.6879	0.0645	1.8777	2.3868	2.2034	0.0645
1.6879	0.2106	1.8777	2.5851	2.2034	0.2106
1.6879	0.3534	1.8777	2.7279	2.2034	0.3534
1.6879	0.4693	1.8777	2.9044	2.2034	0.4693
1.6879	0.5976	1.8777	3.0506	2.2034	0.5976
1.6879	0.7294	1.8777	3.1787	2.2034	0.7294
1.6879	0.8190	1.8777	3.3653	2.2034	0.8190
1.6879	0.8958	1.8777	3.4769	2.2034	0.8958
1.6879	1.0202	1.8777	3.6453	2.2034	1.0202
1.6879	1.1423	1.8777	3.8181	2.2034	1.1423
1.6879	1.2551	1.8777	3.9419	2.2034	1.2551
1.6879	1.4348	1.8777	4.1071	2.2034	1.4348
1.6879	1.5566	1.8777	4.2633	2.2034	1.5566
1.6879	1.6879	1.8777	4.4385	2.2034	1.6879
1.6879	1.8777	1.8777	4.5848	2.2034	1.8777
1.6879	2.0312	1.8777	4.7832	2.2034	2.0312
1.6879	2.2034	1.8777	4.9343	2.2034	2.2034
1.6879	2.3868	2.0312	0.0645	2.2034	2.3868
1.6879	2.5851	2.0312	0.2106	2.2034	2.5851
1.6879	2.7279	2.0312	0.3534	2.2034	2.7279
1.6879	2.9044	2.0312	0.4693	2.2034	2.9044
1.6879	3.0506	2.0312	0.5976	2.2034	3.0506
1.6879	3.1787	2.0312	0.7294	2.2034	3.1787
1.6879	3.3653	2.0312	0.8190	2.2034	3.3653
1.6879	3.4769	2.0312	0.8958	2.2034	3.4769
1.6879	3.6453	2.0312	1.0202	2.2034	3.6453
1.6879	3.8181	2.0312	1.1423	2.2034	3.8181
1.6879	3.9419	2.0312	1.2551	2.2034	3.9419
1.6879	4.1071	2.0312	1.4348	2.2034	4.1071
1.6879	4.2633	2.0312	1.5566	2.2034	4.2633
1.6879	4.4385	2.0312	1.6879	2.2034	4.4385
1.6879	4.5848	2.0312	1.8777	2.2034	4.5848
1.6879	4.7832	2.0312	2.0312	2.2034	4.7832
1.6879	4.9343	2.0312	2.2034	2.2034	4.9343
1.8777	0.0645	2.0312	2.3868	2.3868	0.0645
1.8777	0.2106	2.0312	2.5851	2.3868	0.2106
1.8777	0.3534	2.0312	2.7279	2.3868	0.3534
1.8777	0.4693	2.0312	2.9044	2.3868	0.4693
1.8777	0.5976	2.0312	3.0506	2.3868	0.5976
1.8777	0.7294	2.0312	3.1787	2.3868	0.7294
1.8777	0.8190	2.0312	3.3653	2.3868	0.8190
1.8777	0.8958	2.0312	3.4769	2.3868	0.8958
1.8777	1.0202	2.0312	3.6453	2.3868	1.0202
1.8777	1.1423	2.0312	3.8181	2.3868	1.1423
1.8777	1.2551	2.0312	3.9419	2.3868	1.2551
1.8777	1.4348	2.0312	4.1071	2.3868	1.4348
1.8777	1.5566	2.0312	4.2633	2.3868	1.5566
1.8777	1.6879	2.0312	4.4385	2.3868	1.6879
1.8777	1.8777	2.0312	4.5848	2.3868	1.8777
1.8777	2.0312	2.0312	4.7832	2.3868	2.0312

2.3868	2.2034	2.5851	4.9343	2.9044	2.2034
2.3868	2.3868	2.7279	0.0645	2.9044	2.3868
2.3868	2.5851	2.7279	0.2106	2.9044	2.5851
2.3868	2.7279	2.7279	0.3534	2.9044	2.7279
2.3868	2.9044	2.7279	0.4693	2.9044	2.9044
2.3868	3.0506	2.7279	0.5976	2.9044	3.0506
2.3868	3.1787	2.7279	0.7294	2.9044	3.1787
2.3868	3.3653	2.7279	0.8190	2.9044	3.3653
2.3868	3.4769	2.7279	0.8958	2.9044	3.4769
2.3868	3.6453	2.7279	1.0202	2.9044	3.6453
2.3868	3.8181	2.7279	1.1423	2.9044	3.8181
2.3868	3.9419	2.7279	1.2551	2.9044	3.9419
2.3868	4.1071	2.7279	1.4348	2.9044	4.1071
2.3868	4.2633	2.7279	1.5566	2.9044	4.2633
2.3868	4.4385	2.7279	1.6879	2.9044	4.4385
2.3868	4.5848	2.7279	1.8777	2.9044	4.5848
2.3868	4.7832	2.7279	2.0312	2.9044	4.7832
2.3868	4.9343	2.7279	2.2034	2.9044	4.9343
2.5851	0.0645	2.7279	2.3868	3.0506	0.0645
2.5851	0.2106	2.7279	2.5851	3.0506	0.2106
2.5851	0.3534	2.7279	2.7279	3.0506	0.3534
2.5851	0.4693	2.7279	2.9044	3.0506	0.4693
2.5851	0.5976	2.7279	3.0506	3.0506	0.5976
2.5851	0.7294	2.7279	3.1787	3.0506	0.7294
2.5851	0.8190	2.7279	3.3653	3.0506	0.8190
2.5851	0.8958	2.7279	3.4769	3.0506	0.8958
2.5851	1.0202	2.7279	3.6453	3.0506	1.0202
2.5851	1.1423	2.7279	3.8181	3.0506	1.1423
2.5851	1.2551	2.7279	3.9419	3.0506	1.2551
2.5851	1.4348	2.7279	4.1071	3.0506	1.4348
2.5851	1.5566	2.7279	4.2633	3.0506	1.5566
2.5851	1.6879	2.7279	4.4385	3.0506	1.6879
2.5851	1.8777	2.7279	4.5848	3.0506	1.8777
2.5851	2.0312	2.7279	4.7832	3.0506	2.0312
2.5851	2.2034	2.7279	4.9343	3.0506	2.2034
2.5851	2.3868	2.9044	0.0645	3.0506	2.3868
2.5851	2.5851	2.9044	0.2106	3.0506	2.5851
2.5851	2.7279	2.9044	0.3534	3.0506	2.7279
2.5851	2.9044	2.9044	0.4693	3.0506	2.9044
2.5851	3.0506	2.9044	0.5976	3.0506	3.0506
2.5851	3.1787	2.9044	0.7294	3.0506	3.1787
2.5851	3.3653	2.9044	0.8190	3.0506	3.3653
2.5851	3.4769	2.9044	0.8958	3.0506	3.4769
2.5851	3.6453	2.9044	1.0202	3.0506	3.6453
2.5851	3.8181	2.9044	1.1423	3.0506	3.8181
2.5851	3.9419	2.9044	1.2551	3.0506	3.9419
2.5851	4.1071	2.9044	1.4348	3.0506	4.1071
2.5851	4.2633	2.9044	1.5566	3.0506	4.2633
2.5851	4.4385	2.9044	1.6879	3.0506	4.4385
2.5851	4.5848	2.9044	1.8777	3.0506	4.5848
2.5851	4.7832	2.9044	2.0312	3.0506	4.7832

3.0506	4.9343	3.3653	2.2034	3.4769	4.9343
3.1787	0.0645	3.3653	2.3868	3.6453	0.0645
3.1787	0.2106	3.3653	2.5851	3.6453	0.2106
3.1787	0.3534	3.3653	2.7279	3.6453	0.3534
3.1787	0.4693	3.3653	2.9044	3.6453	0.4693
3.1787	0.5976	3.3653	3.0506	3.6453	0.5976
3.1787	0.7294	3.3653	3.1787	3.6453	0.7294
3.1787	0.8190	3.3653	3.3653	3.6453	0.8190
3.1787	0.8958	3.3653	3.4769	3.6453	0.8958
3.1787	1.0202	3.3653	3.6453	3.6453	1.0202
3.1787	1.1423	3.3653	3.8181	3.6453	1.1423
3.1787	1.2551	3.3653	3.9419	3.6453	1.2551
3.1787	1.4348	3.3653	4.1071	3.6453	1.4348
3.1787	1.5566	3.3653	4.2633	3.6453	1.5566
3.1787	1.6879	3.3653	4.4385	3.6453	1.6879
3.1787	1.8777	3.3653	4.5848	3.6453	1.8777
3.1787	2.0312	3.3653	4.7832	3.6453	2.0312
3.1787	2.2034	3.3653	4.9343	3.6453	2.2034
3.1787	2.3868	3.4769	0.0645	3.6453	2.3868
3.1787	2.5851	3.4769	0.2106	3.6453	2.5851
3.1787	2.7279	3.4769	0.3534	3.6453	2.7279
3.1787	2.9044	3.4769	0.4693	3.6453	2.9044
3.1787	3.0506	3.4769	0.5976	3.6453	3.0506
3.1787	3.1787	3.4769	0.7294	3.6453	3.1787
3.1787	3.3653	3.4769	0.8190	3.6453	3.3653
3.1787	3.4769	3.4769	0.8958	3.6453	3.4769
3.1787	3.6453	3.4769	1.0202	3.6453	3.6453
3.1787	3.8181	3.4769	1.1423	3.6453	3.8181
3.1787	3.9419	3.4769	1.2551	3.6453	3.9419
3.1787	4.1071	3.4769	1.4348	3.6453	4.1071
3.1787	4.2633	3.4769	1.5566	3.6453	4.2633
3.1787	4.4385	3.4769	1.6879	3.6453	4.4385
3.1787	4.5848	3.4769	1.8777	3.6453	4.5848
3.1787	4.7832	3.4769	2.0312	3.6453	4.7832
3.1787	4.9343	3.4769	2.2034	3.6453	4.9343
3.3653	0.0645	3.4769	2.3868	3.8181	0.0645
3.3653	0.2106	3.4769	2.5851	3.8181	0.2106
3.3653	0.3534	3.4769	2.7279	3.8181	0.3534
3.3653	0.4693	3.4769	2.9044	3.8181	0.4693
3.3653	0.5976	3.4769	3.0506	3.8181	0.5976
3.3653	0.7294	3.4769	3.1787	3.8181	0.7294
3.3653	0.8190	3.4769	3.3653	3.8181	0.8190
3.3653	0.8958	3.4769	3.4769	3.8181	0.8958
3.3653	1.0202	3.4769	3.6453	3.8181	1.0202
3.3653	1.1423	3.4769	3.8181	3.8181	1.1423
3.3653	1.2551	3.4769	3.9419	3.8181	1.2551
3.3653	1.4348	3.4769	4.1071	3.8181	1.4348
3.3653	1.5566	3.4769	4.2633	3.8181	1.5566
3.3653	1.6879	3.4769	4.4385	3.8181	1.6879
3.3653	1.8777	3.4769	4.5848	3.8181	1.8777
3.3653	2.0312	3.4769	4.7832	3.8181	2.0312

3.8181	2.2034	3.9419	4.9343	4.2633	2.2034
3.8181	2.3868	4.1071	0.0645	4.2633	2.3868
3.8181	2.5851	4.1071	0.2106	4.2633	2.5851
3.8181	2.7279	4.1071	0.3534	4.2633	2.7279
3.8181	2.9044	4.1071	0.4693	4.2633	2.9044
3.8181	3.0506	4.1071	0.5976	4.2633	3.0506
3.8181	3.1787	4.1071	0.7294	4.2633	3.1787
3.8181	3.3653	4.1071	0.8190	4.2633	3.3653
3.8181	3.4769	4.1071	0.8958	4.2633	3.4769
3.8181	3.6453	4.1071	1.0202	4.2633	3.6453
3.8181	3.8181	4.1071	1.1423	4.2633	3.8181
3.8181	3.9419	4.1071	1.2551	4.2633	3.9419
3.8181	4.1071	4.1071	1.4348	4.2633	4.1071
3.8181	4.2633	4.1071	1.5566	4.2633	4.2633
3.8181	4.4385	4.1071	1.6879	4.2633	4.4385
3.8181	4.5848	4.1071	1.8777	4.2633	4.5848
3.8181	4.7832	4.1071	2.0312	4.2633	4.7832
3.8181	4.9343	4.1071	2.2034	4.2633	4.9343
3.9419	0.0645	4.1071	2.3868	4.4385	0.0645
3.9419	0.2106	4.1071	2.5851	4.4385	0.2106
3.9419	0.3534	4.1071	2.7279	4.4385	0.3534
3.9419	0.4693	4.1071	2.9044	4.4385	0.4693
3.9419	0.5976	4.1071	3.0506	4.4385	0.5976
3.9419	0.7294	4.1071	3.1787	4.4385	0.7294
3.9419	0.8190	4.1071	3.3653	4.4385	0.8190
3.9419	0.8958	4.1071	3.4769	4.4385	0.8958
3.9419	1.0202	4.1071	3.6453	4.4385	1.0202
3.9419	1.1423	4.1071	3.8181	4.4385	1.1423
3.9419	1.2551	4.1071	3.9419	4.4385	1.2551
3.9419	1.4348	4.1071	4.1071	4.4385	1.4348
3.9419	1.5566	4.1071	4.2633	4.4385	1.5566
3.9419	1.6879	4.1071	4.4385	4.4385	1.6879
3.9419	1.8777	4.1071	4.5848	4.4385	1.8777
3.9419	2.0312	4.1071	4.7832	4.4385	2.0312
3.9419	2.2034	4.1071	4.9343	4.4385	2.2034
3.9419	2.3868	4.2633	0.0645	4.4385	2.3868
3.9419	2.5851	4.2633	0.2106	4.4385	2.5851
3.9419	2.7279	4.2633	0.3534	4.4385	2.7279
3.9419	2.9044	4.2633	0.4693	4.4385	2.9044
3.9419	3.0506	4.2633	0.5976	4.4385	3.0506
3.9419	3.1787	4.2633	0.7294	4.4385	3.1787
3.9419	3.3653	4.2633	0.8190	4.4385	3.3653
3.9419	3.4769	4.2633	0.8958	4.4385	3.4769
3.9419	3.6453	4.2633	1.0202	4.4385	3.6453
3.9419	3.8181	4.2633	1.1423	4.4385	3.8181
3.9419	3.9419	4.2633	1.2551	4.4385	3.9419
3.9419	4.1071	4.2633	1.4348	4.4385	4.1071
3.9419	4.2633	4.2633	1.5566	4.4385	4.2633
3.9419	4.4385	4.2633	1.6879	4.4385	4.4385
3.9419	4.5848	4.2633	1.8777	4.4385	4.5848
3.9419	4.7832	4.2633	2.0312	4.4385	4.7832

4.4385	4.9343	4.7832	0.0645	4.9343	0.2106
4.5848	0.0645	4.7832	0.2106	4.9343	0.3534
4.5848	0.2106	4.7832	0.3534	4.9343	0.4693
4.5848	0.3534	4.7832	0.4693	4.9343	0.5976
4.5848	0.4693	4.7832	0.5976	4.9343	0.7294
4.5848	0.5976	4.7832	0.7294	4.9343	0.8190
4.5848	0.7294	4.7832	0.8190	4.9343	0.8958
4.5848	0.8190	4.7832	0.8958	4.9343	1.0202
4.5848	0.8958	4.7832	1.0202	4.9343	1.1423
4.5848	1.0202	4.7832	1.1423	4.9343	1.2551
4.5848	1.1423	4.7832	1.2551	4.9343	1.4348
4.5848	1.2551	4.7832	1.4348	4.9343	1.5566
4.5848	1.4348	4.7832	1.5566	4.9343	1.6879
4.5848	1.5566	4.7832	1.6879	4.9343	1.8777
4.5848	1.6879	4.7832	1.8777	4.9343	2.0312
4.5848	1.8777	4.7832	2.0312	4.9343	2.2034
4.5848	2.0312	4.7832	2.2034	4.9343	2.3868
4.5848	2.2034	4.7832	2.3868	4.9343	2.5851
4.5848	2.3868	4.7832	2.5851	4.9343	2.7279
4.5848	2.5851	4.7832	2.7279	4.9343	2.9044
4.5848	2.7279	4.7832	2.9044	4.9343	3.0506
4.5848	2.9044	4.7832	3.0506	4.9343	3.1787
4.5848	3.0506	4.7832	3.1787	4.9343	3.3653
4.5848	3.1787	4.7832	3.3653	4.9343	3.4769
4.5848	3.3653	4.7832	3.4769	4.9343	3.6453
4.5848	3.4769	4.7832	3.6453	4.9343	3.8181
4.5848	3.6453	4.7832	3.8181	4.9343	3.9419
4.5848	3.8181	4.7832	3.9419	4.9343	4.1071
4.5848	3.9419	4.7832	4.1071	4.9343	4.2633
4.5848	4.1071	4.7832	4.2633	4.9343	4.4385
4.5848	4.2633	4.7832	4.4385	4.9343	4.5848
4.5848	4.4385	4.7832	4.5848	4.9343	4.7832
4.5848	4.5848	4.7832	4.7832	4.9343	4.9343
4.5848	4.7832	4.7832	4.9343		
4.5848	4.9343	4.9343	0.0645		

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

0.7219	0.7219	3.4319	0.7219
0.7219	2.0982	3.4319	2.0982
0.7219	3.4319	3.4319	3.4319
0.7219	4.4557	3.4319	4.4557
2.0982	0.7219	4.4557	0.7219
2.0982	2.0982	4.4557	2.0982
2.0982	3.4319	4.4557	3.4319
2.0982	4.4557	4.4557	4.4557

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.

1.3468	1.3468	3.8717	1.3468
1.3468	3.8717	3.8717	3.8717

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

0.0659	0.0659	0.2992	0.7946	0.6594	0.5520
0.0659	0.1795	0.2992	0.9327	0.6594	0.6594
0.0659	0.2992	0.4314	0.0659	0.6594	0.7946
0.0659	0.4314	0.4314	0.1795	0.6594	0.9327
0.0659	0.5520	0.4314	0.2992	0.7946	0.0659
0.0659	0.6594	0.4314	0.4314	0.7946	0.1795
0.0659	0.7946	0.4314	0.5520	0.7946	0.2992
0.0659	0.9327	0.4314	0.6594	0.7946	0.4314
0.1795	0.0659	0.4314	0.7946	0.7946	0.5520
0.1795	0.1795	0.4314	0.9327	0.7946	0.6594
0.1795	0.2992	0.5520	0.0659	0.7946	0.7946
0.1795	0.4314	0.5520	0.1795	0.7946	0.9327
0.1795	0.5520	0.5520	0.2992	0.9327	0.0659
0.1795	0.6594	0.5520	0.4314	0.9327	0.1795
0.1795	0.7946	0.5520	0.5520	0.9327	0.2992
0.1795	0.9327	0.5520	0.6594	0.9327	0.4314
0.2992	0.0659	0.5520	0.7946	0.9327	0.5520
0.2992	0.1795	0.5520	0.9327	0.9327	0.6594
0.2992	0.2992	0.6594	0.0659	0.9327	0.7946
0.2992	0.4314	0.6594	0.1795	0.9327	0.9327
0.2992	0.5520	0.6594	0.2992		
0.2992	0.6594	0.6594	0.4314		

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.

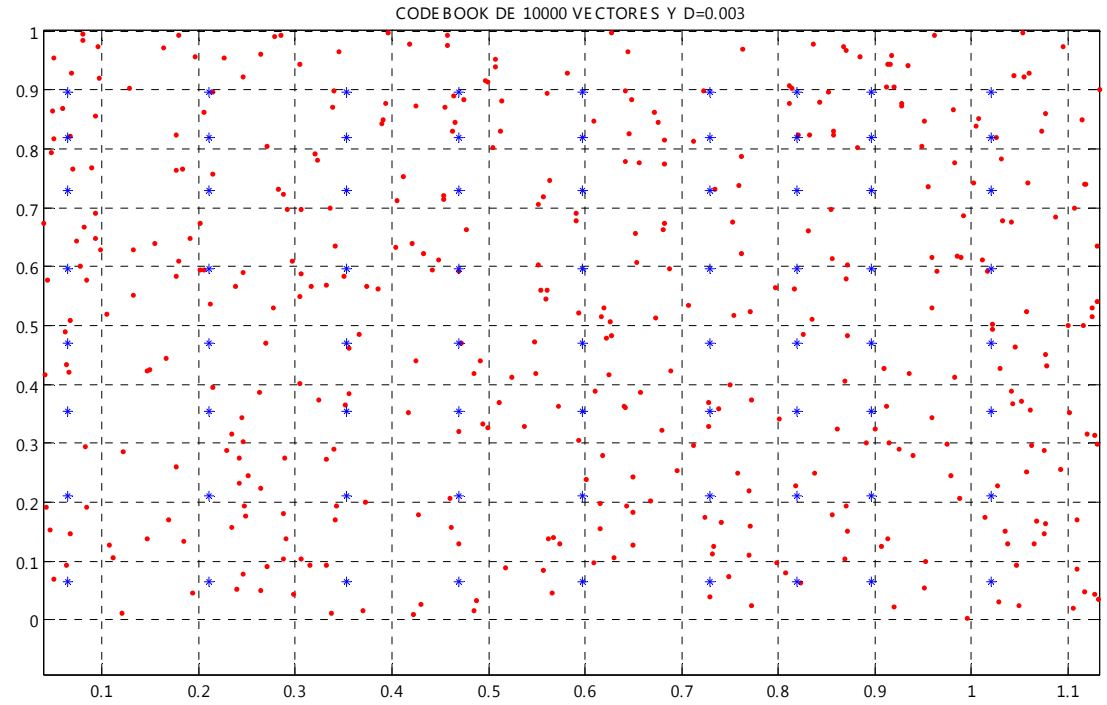
0.2373	0.2373	0.7483	0.2373
0.2373	0.7483	0.7483	0.7483

Parámetros de Diseño: Codebook generado a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.

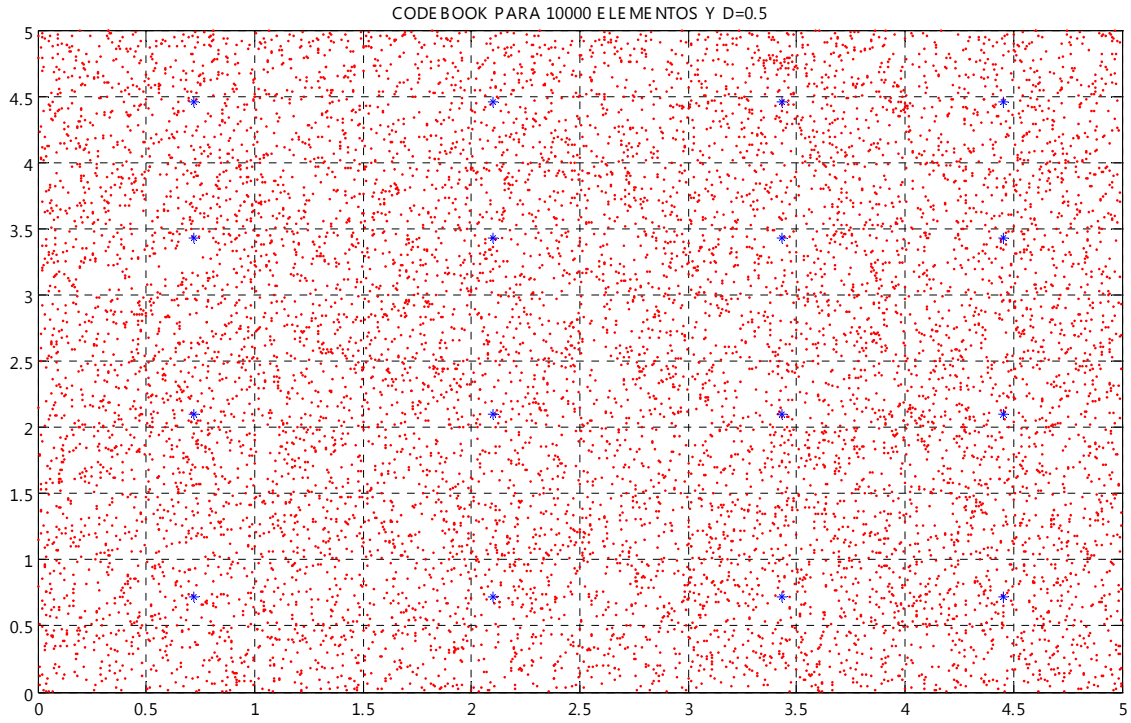
0.2845	0.2845	0.7701	0.2845
0.2845	0.7701	0.7701	0.7701

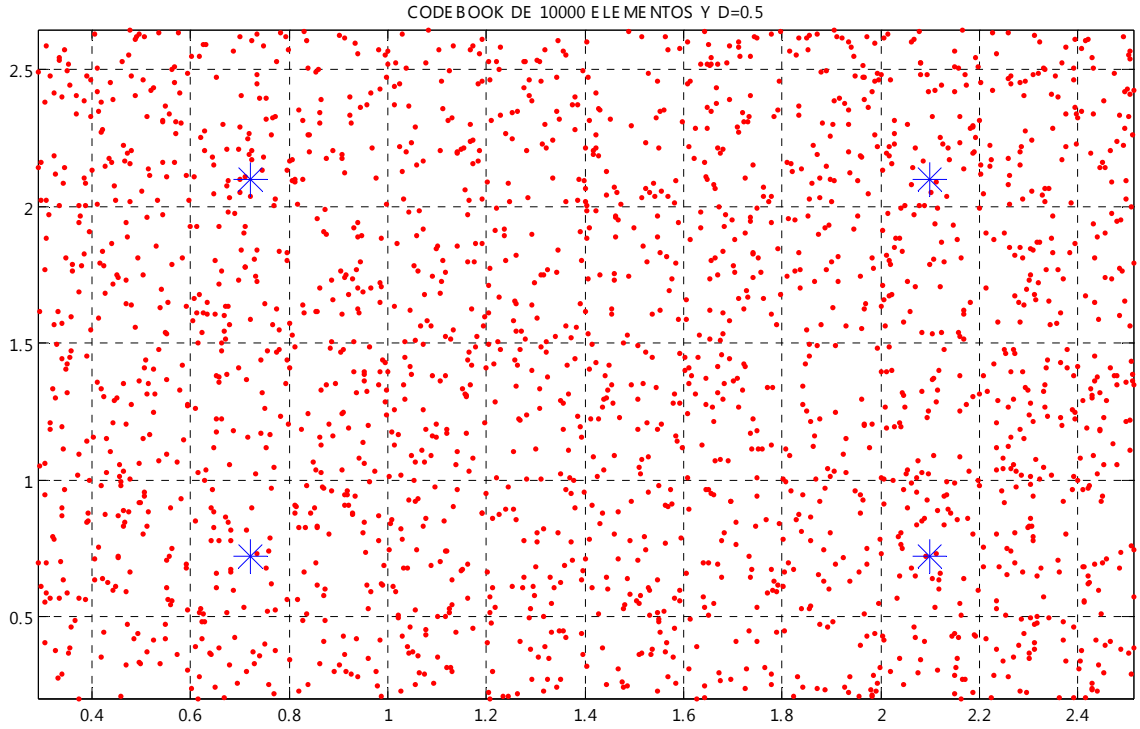
ANEXO 6: ALGORITMO COVQ (DISTRIBUCIÓN UNIFORME)

Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.

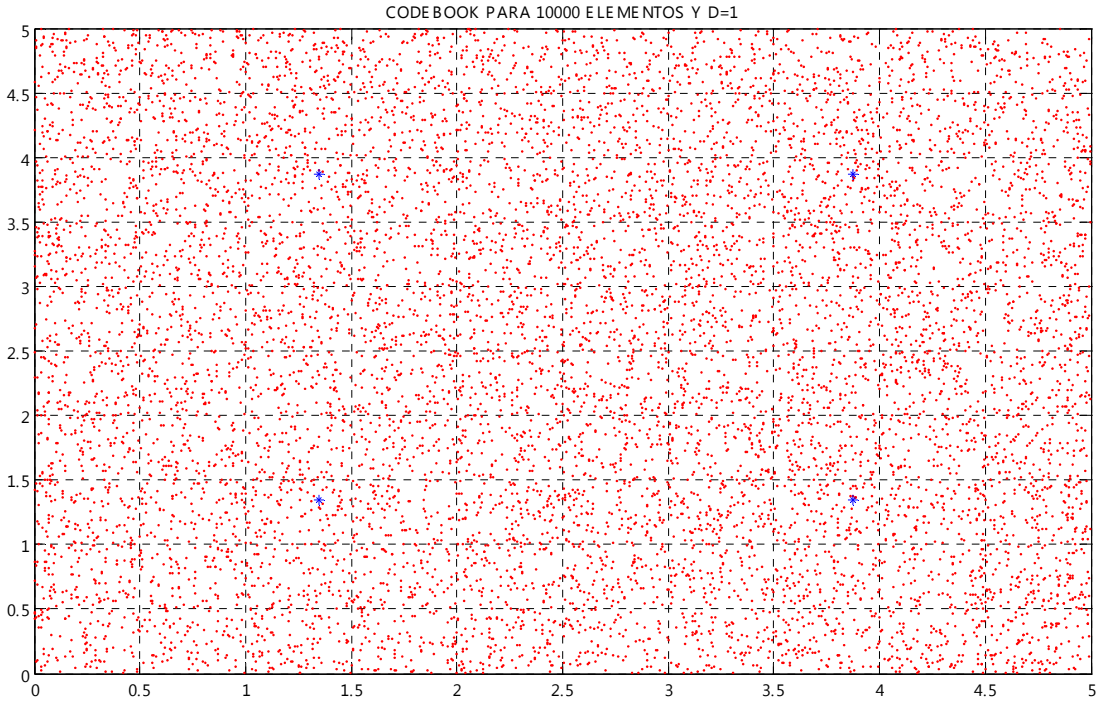


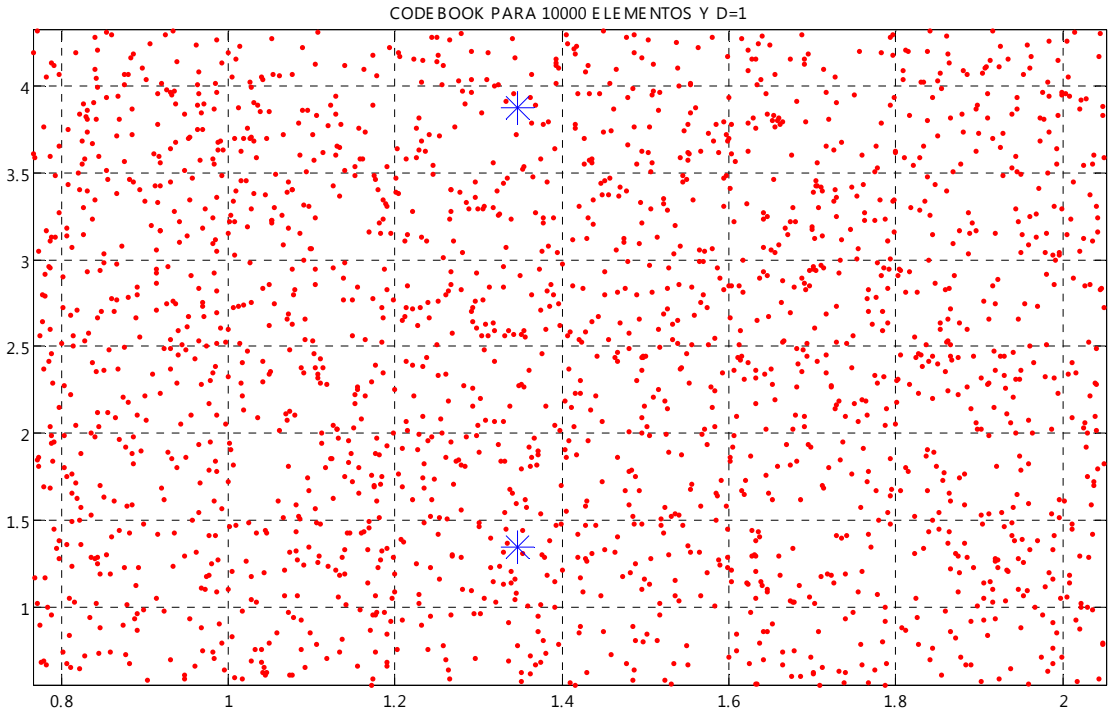
Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.



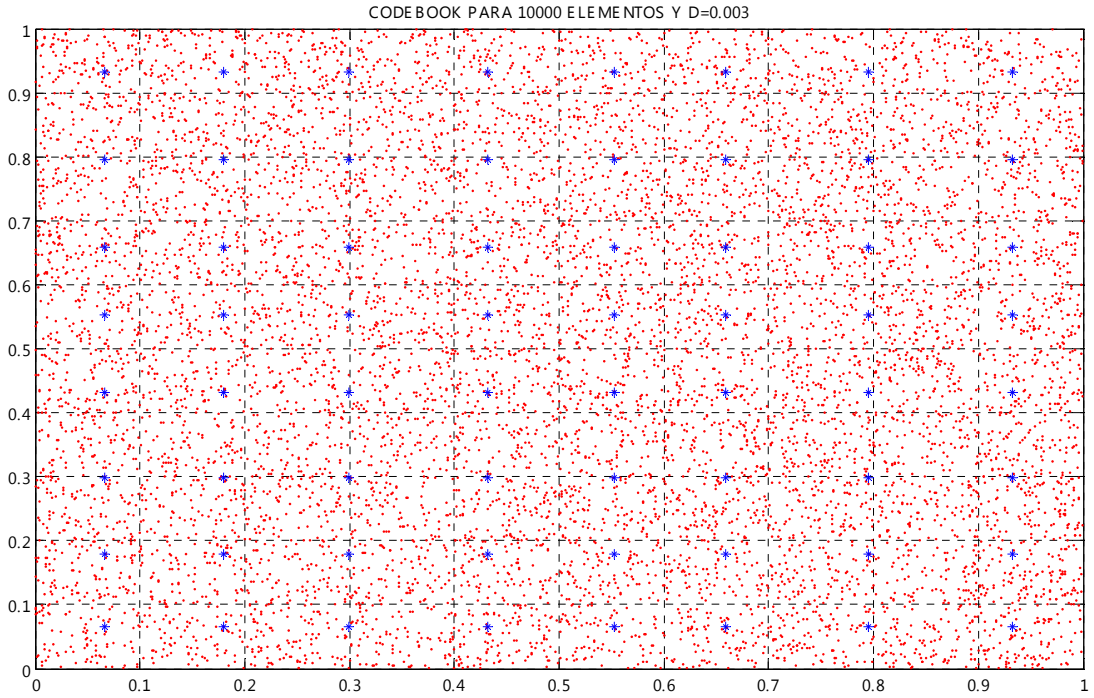


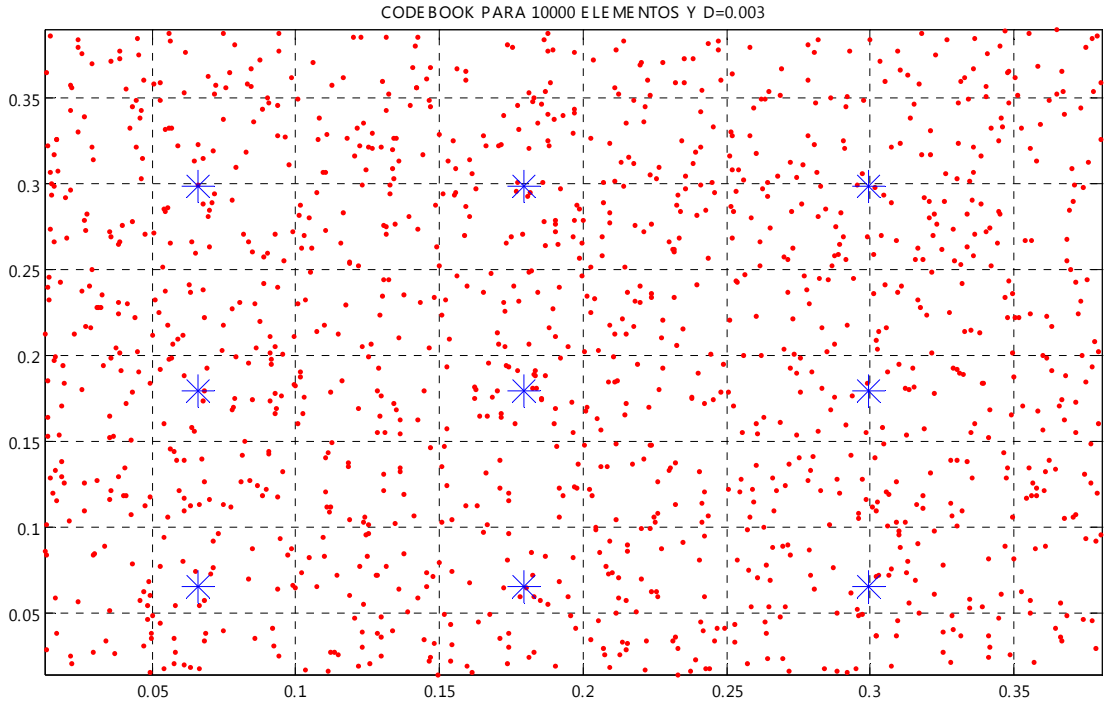
Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,5] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.



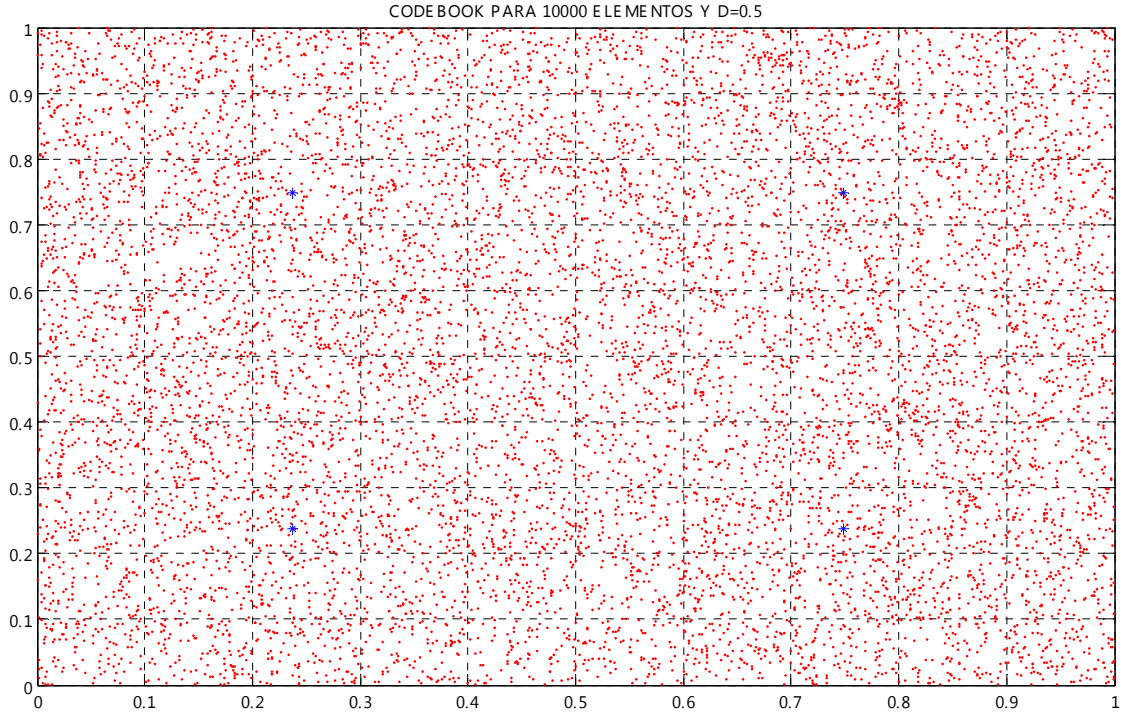


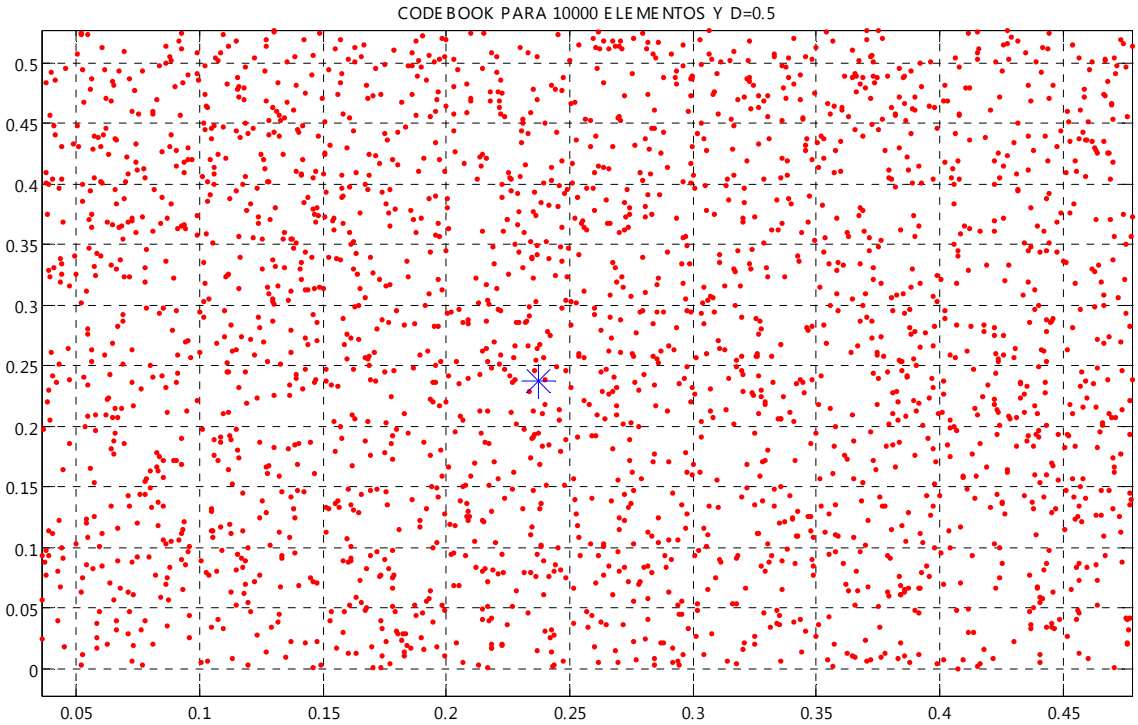
Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.003.



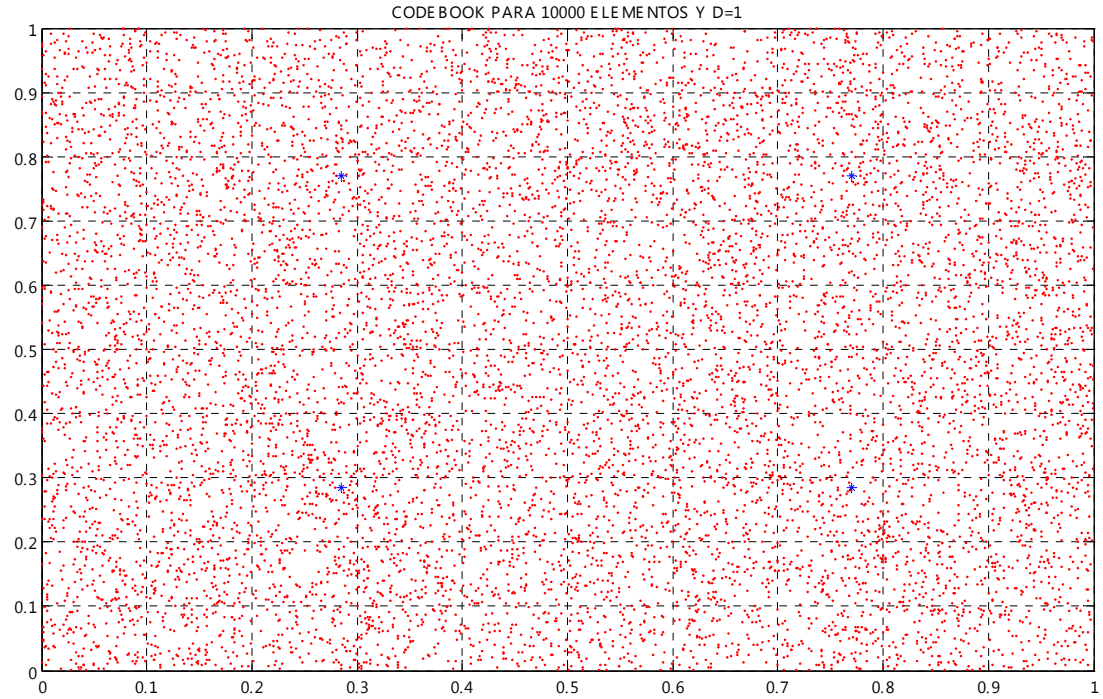


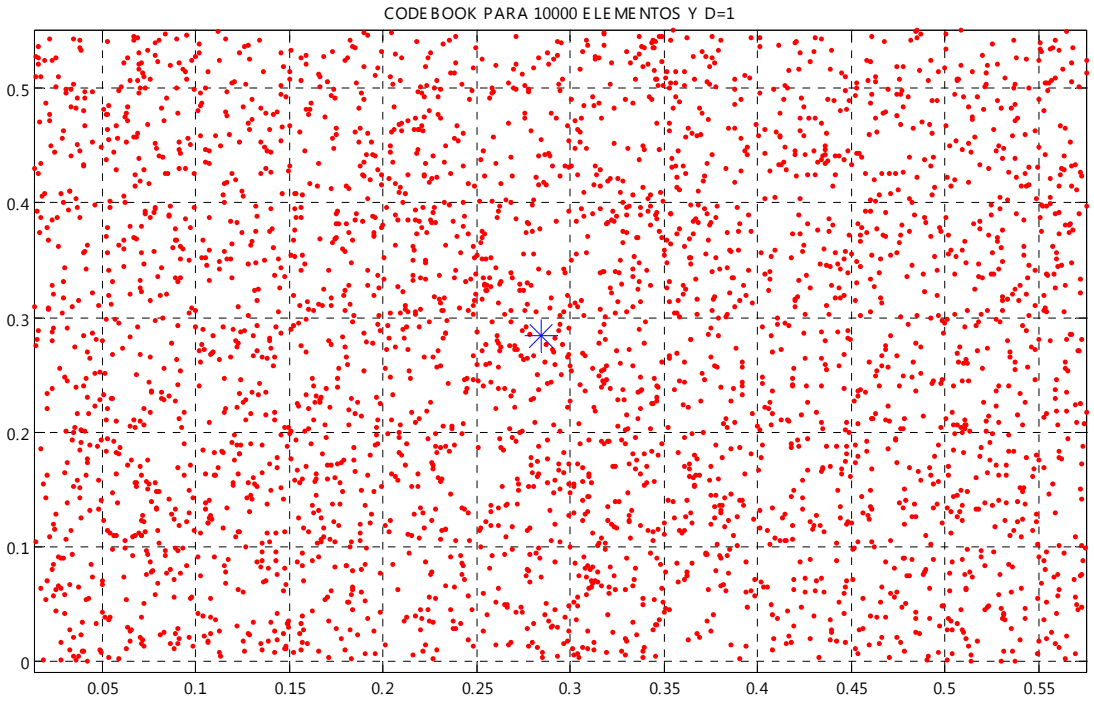
Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 0.5.





Parámetros de Diseño: Centroides generados a partir de 10 000 vectores aleatorios entre [0,1] con una distribución uniforme y tomando como parámetro fundamental una distorsión de 1.





ANEXO 7: CUANTIZACIÓN VECTORIAL (DISTRIBUCIÓN NORMAL)

Parámetros de Diseño: Codebook generado a partir de 1 000 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

-1.7868	-1.7868	-0.6191	0.9562	0.5224	0.1465
-1.7868	-1.0768	-0.6191	1.6646	0.5224	0.5224
-1.7868	-0.6191	-0.2124	-1.7868	0.5224	0.9562
-1.7868	-0.2124	-0.2124	-1.0768	0.5224	1.6646
-1.7868	0.1465	-0.2124	-0.6191	0.9562	-1.7868
-1.7868	0.5224	-0.2124	-0.2124	0.9562	-1.0768
-1.7868	0.9562	-0.2124	0.1465	0.9562	-0.6191
-1.7868	1.6646	-0.2124	0.5224	0.9562	-0.2124
-1.0768	-1.7868	-0.2124	0.9562	0.9562	0.1465
-1.0768	-1.0768	-0.2124	1.6646	0.9562	0.5224
-1.0768	-0.6191	0.1465	-1.7868	0.9562	0.9562
-1.0768	-0.2124	0.1465	-1.0768	0.9562	1.6646
-1.0768	0.1465	0.1465	-0.6191	1.6646	-1.7868
-1.0768	0.5224	0.1465	-0.2124	1.6646	-1.0768
-1.0768	0.9562	0.1465	0.1465	1.6646	-0.6191
-1.0768	1.6646	0.1465	0.5224	1.6646	-0.2124
-0.6191	-1.7868	0.1465	0.9562	1.6646	0.1465
-0.6191	-1.0768	0.1465	1.6646	1.6646	0.5224
-0.6191	-0.6191	0.5224	-1.7868	1.6646	0.9562
-0.6191	-0.2124	0.5224	-1.0768	1.6646	1.6646
-0.6191	0.1465	0.5224	-0.6191		
-0.6191	0.5224	0.5224	-0.2124		

Parámetros de Diseño: Codebook generado a partir de 1 000 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.

-0.8112	-0.8112	0.7009	-0.8112
-0.8112	0.7009	0.7009	0.7009

Parámetros de Diseño: Codebook generado a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

-2.4373	-2.4373	-2.4373	-0.8043	-2.4373	1.0718
-2.4373	-2.2994	-2.4373	-0.6768	-2.4373	1.2686
-2.4373	-2.0532	-2.4373	-0.5648	-2.4373	1.4472
-2.4373	-1.9083	-2.4373	-0.4680	-2.4373	1.5785
-2.4373	-1.6744	-2.4373	-0.3060	-2.4373	1.7568
-2.4373	-1.5105	-2.4373	-0.1368	-2.4373	1.8744
-2.4373	-1.4013	-2.4373	0.0443	-2.4373	1.9574
-2.4373	-1.3394	-2.4373	0.2642	-2.4373	1.9574
-2.4373	-1.2400	-2.4373	0.4518	-2.4373	2.1242
-2.4373	-1.1250	-2.4373	0.6302	-2.4373	2.2609
-2.4373	-1.0125	-2.4373	0.7924	-2.2994	-2.4373
-2.4373	-0.9202	-2.4373	0.9393	-2.2994	-2.2994

-2.2994	-2.0532	-2.0532	0.2642	-1.6744	-2.0532
-2.2994	-1.9083	-2.0532	0.4518	-1.6744	-1.9083
-2.2994	-1.6744	-2.0532	0.6302	-1.6744	-1.6744
-2.2994	-1.5105	-2.0532	0.7924	-1.6744	-1.5105
-2.2994	-1.4013	-2.0532	0.9393	-1.6744	-1.4013
-2.2994	-1.3394	-2.0532	1.0718	-1.6744	-1.3394
-2.2994	-1.2400	-2.0532	1.2686	-1.6744	-1.2400
-2.2994	-1.1250	-2.0532	1.4472	-1.6744	-1.1250
-2.2994	-1.0125	-2.0532	1.5785	-1.6744	-1.0125
-2.2994	-0.9202	-2.0532	1.7568	-1.6744	-0.9202
-2.2994	-0.8043	-2.0532	1.8744	-1.6744	-0.8043
-2.2994	-0.6768	-2.0532	1.9574	-1.6744	-0.6768
-2.2994	-0.5648	-2.0532	1.9574	-1.6744	-0.5648
-2.2994	-0.4680	-2.0532	2.1242	-1.6744	-0.4680
-2.2994	-0.3060	-2.0532	2.2609	-1.6744	-0.3060
-2.2994	-0.1368	-1.9083	-2.4373	-1.6744	-0.1368
-2.2994	0.0443	-1.9083	-2.2994	-1.6744	0.0443
-2.2994	0.2642	-1.9083	-2.0532	-1.6744	0.2642
-2.2994	0.4518	-1.9083	-1.9083	-1.6744	0.4518
-2.2994	0.6302	-1.9083	-1.6744	-1.6744	0.6302
-2.2994	0.7924	-1.9083	-1.5105	-1.6744	0.7924
-2.2994	0.9393	-1.9083	-1.4013	-1.6744	0.9393
-2.2994	1.0718	-1.9083	-1.3394	-1.6744	1.0718
-2.2994	1.2686	-1.9083	-1.2400	-1.6744	1.2686
-2.2994	1.4472	-1.9083	-1.1250	-1.6744	1.4472
-2.2994	1.5785	-1.9083	-1.0125	-1.6744	1.5785
-2.2994	1.7568	-1.9083	-0.9202	-1.6744	1.7568
-2.2994	1.8744	-1.9083	-0.8043	-1.6744	1.8744
-2.2994	1.9574	-1.9083	-0.6768	-1.6744	1.9574
-2.2994	1.9574	-1.9083	-0.5648	-1.6744	1.9574
-2.2994	2.1242	-1.9083	-0.4680	-1.6744	2.1242
-2.2994	2.2609	-1.9083	-0.3060	-1.6744	2.2609
-2.0532	-2.4373	-1.9083	-0.1368	-1.5105	-2.4373
-2.0532	-2.2994	-1.9083	0.0443	-1.5105	-2.2994
-2.0532	-2.0532	-1.9083	0.2642	-1.5105	-2.0532
-2.0532	-1.9083	-1.9083	0.4518	-1.5105	-1.9083
-2.0532	-1.6744	-1.9083	0.6302	-1.5105	-1.6744
-2.0532	-1.5105	-1.9083	0.7924	-1.5105	-1.5105
-2.0532	-1.4013	-1.9083	0.9393	-1.5105	-1.4013
-2.0532	-1.3394	-1.9083	1.0718	-1.5105	-1.3394
-2.0532	-1.2400	-1.9083	1.2686	-1.5105	-1.2400
-2.0532	-1.1250	-1.9083	1.4472	-1.5105	-1.1250
-2.0532	-1.0125	-1.9083	1.5785	-1.5105	-1.0125
-2.0532	-0.9202	-1.9083	1.7568	-1.5105	-0.9202
-2.0532	-0.8043	-1.9083	1.8744	-1.5105	-0.8043
-2.0532	-0.6768	-1.9083	1.9574	-1.5105	-0.6768
-2.0532	-0.5648	-1.9083	1.9574	-1.5105	-0.5648
-2.0532	-0.4680	-1.9083	2.1242	-1.5105	-0.4680
-2.0532	-0.3060	-1.9083	2.2609	-1.5105	-0.3060
-2.0532	-0.1368	-1.6744	-2.4373	-1.5105	-0.1368
-2.0532	0.0443	-1.6744	-2.2994	-1.5105	0.0443

-1.5105	0.2642	-1.3394	-2.0532	-1.2400	0.2642
-1.5105	0.4518	-1.3394	-1.9083	-1.2400	0.4518
-1.5105	0.6302	-1.3394	-1.6744	-1.2400	0.6302
-1.5105	0.7924	-1.3394	-1.5105	-1.2400	0.7924
-1.5105	0.9393	-1.3394	-1.4013	-1.2400	0.9393
-1.5105	1.0718	-1.3394	-1.3394	-1.2400	1.0718
-1.5105	1.2686	-1.3394	-1.2400	-1.2400	1.2686
-1.5105	1.4472	-1.3394	-1.1250	-1.2400	1.4472
-1.5105	1.5785	-1.3394	-1.0125	-1.2400	1.5785
-1.5105	1.7568	-1.3394	-0.9202	-1.2400	1.7568
-1.5105	1.8744	-1.3394	-0.8043	-1.2400	1.8744
-1.5105	1.9574	-1.3394	-0.6768	-1.2400	1.9574
-1.5105	1.9574	-1.3394	-0.5648	-1.2400	1.9574
-1.5105	2.1242	-1.3394	-0.4680	-1.2400	2.1242
-1.5105	2.2609	-1.3394	-0.3060	-1.2400	2.2609
-1.4013	-2.4373	-1.3394	-0.1368	-1.1250	-2.4373
-1.4013	-2.2994	-1.3394	0.0443	-1.1250	-2.2994
-1.4013	-2.0532	-1.3394	0.2642	-1.1250	-2.0532
-1.4013	-1.9083	-1.3394	0.4518	-1.1250	-1.9083
-1.4013	-1.6744	-1.3394	0.6302	-1.1250	-1.6744
-1.4013	-1.5105	-1.3394	0.7924	-1.1250	-1.5105
-1.4013	-1.4013	-1.3394	0.9393	-1.1250	-1.4013
-1.4013	-1.3394	-1.3394	1.0718	-1.1250	-1.3394
-1.4013	-1.2400	-1.3394	1.2686	-1.1250	-1.2400
-1.4013	-1.1250	-1.3394	1.4472	-1.1250	-1.1250
-1.4013	-1.0125	-1.3394	1.5785	-1.1250	-1.0125
-1.4013	-0.9202	-1.3394	1.7568	-1.1250	-0.9202
-1.4013	-0.8043	-1.3394	1.8744	-1.1250	-0.8043
-1.4013	-0.6768	-1.3394	1.9574	-1.1250	-0.6768
-1.4013	-0.5648	-1.3394	1.9574	-1.1250	-0.5648
-1.4013	-0.4680	-1.3394	2.1242	-1.1250	-0.4680
-1.4013	-0.3060	-1.3394	2.2609	-1.1250	-0.3060
-1.4013	-0.1368	-1.2400	-2.4373	-1.1250	-0.1368
-1.4013	0.0443	-1.2400	-2.2994	-1.1250	0.0443
-1.4013	0.2642	-1.2400	-2.0532	-1.1250	0.2642
-1.4013	0.4518	-1.2400	-1.9083	-1.1250	0.4518
-1.4013	0.6302	-1.2400	-1.6744	-1.1250	0.6302
-1.4013	0.7924	-1.2400	-1.5105	-1.1250	0.7924
-1.4013	0.9393	-1.2400	-1.4013	-1.1250	0.9393
-1.4013	1.0718	-1.2400	-1.3394	-1.1250	1.0718
-1.4013	1.2686	-1.2400	-1.2400	-1.1250	1.2686
-1.4013	1.4472	-1.2400	-1.1250	-1.1250	1.4472
-1.4013	1.5785	-1.2400	-1.0125	-1.1250	1.5785
-1.4013	1.7568	-1.2400	-0.9202	-1.1250	1.7568
-1.4013	1.8744	-1.2400	-0.8043	-1.1250	1.8744
-1.4013	1.9574	-1.2400	-0.6768	-1.1250	1.9574
-1.4013	1.9574	-1.2400	-0.5648	-1.1250	1.9574
-1.4013	2.1242	-1.2400	-0.4680	-1.1250	2.1242
-1.4013	2.2609	-1.2400	-0.3060	-1.1250	2.2609
-1.3394	-2.4373	-1.2400	-0.1368	-1.0125	-2.4373
-1.3394	-2.2994	-1.2400	0.0443	-1.0125	-2.2994

-1.0125	-2.0532	-0.9202	0.2642	-0.6768	-2.0532
-1.0125	-1.9083	-0.9202	0.4518	-0.6768	-1.9083
-1.0125	-1.6744	-0.9202	0.6302	-0.6768	-1.6744
-1.0125	-1.5105	-0.9202	0.7924	-0.6768	-1.5105
-1.0125	-1.4013	-0.9202	0.9393	-0.6768	-1.4013
-1.0125	-1.3394	-0.9202	1.0718	-0.6768	-1.3394
-1.0125	-1.2400	-0.9202	1.2686	-0.6768	-1.2400
-1.0125	-1.1250	-0.9202	1.4472	-0.6768	-1.1250
-1.0125	-1.0125	-0.9202	1.5785	-0.6768	-1.0125
-1.0125	-0.9202	-0.9202	1.7568	-0.6768	-0.9202
-1.0125	-0.8043	-0.9202	1.8744	-0.6768	-0.8043
-1.0125	-0.6768	-0.9202	1.9574	-0.6768	-0.6768
-1.0125	-0.5648	-0.9202	1.9574	-0.6768	-0.5648
-1.0125	-0.4680	-0.9202	2.1242	-0.6768	-0.4680
-1.0125	-0.3060	-0.9202	2.2609	-0.6768	-0.3060
-1.0125	-0.1368	-0.8043	-2.4373	-0.6768	-0.1368
-1.0125	0.0443	-0.8043	-2.2994	-0.6768	0.0443
-1.0125	0.2642	-0.8043	-2.0532	-0.6768	0.2642
-1.0125	0.4518	-0.8043	-1.9083	-0.6768	0.4518
-1.0125	0.6302	-0.8043	-1.6744	-0.6768	0.6302
-1.0125	0.7924	-0.8043	-1.5105	-0.6768	0.7924
-1.0125	0.9393	-0.8043	-1.4013	-0.6768	0.9393
-1.0125	1.0718	-0.8043	-1.3394	-0.6768	1.0718
-1.0125	1.2686	-0.8043	-1.2400	-0.6768	1.2686
-1.0125	1.4472	-0.8043	-1.1250	-0.6768	1.4472
-1.0125	1.5785	-0.8043	-1.0125	-0.6768	1.5785
-1.0125	1.7568	-0.8043	-0.9202	-0.6768	1.7568
-1.0125	1.8744	-0.8043	-0.8043	-0.6768	1.8744
-1.0125	1.9574	-0.8043	-0.6768	-0.6768	1.9574
-1.0125	1.9574	-0.8043	-0.5648	-0.6768	1.9574
-1.0125	2.1242	-0.8043	-0.4680	-0.6768	2.1242
-1.0125	2.2609	-0.8043	-0.3060	-0.6768	2.2609
-0.9202	-2.4373	-0.8043	-0.1368	-0.5648	-2.4373
-0.9202	-2.2994	-0.8043	0.0443	-0.5648	-2.2994
-0.9202	-2.0532	-0.8043	0.2642	-0.5648	-2.0532
-0.9202	-1.9083	-0.8043	0.4518	-0.5648	-1.9083
-0.9202	-1.6744	-0.8043	0.6302	-0.5648	-1.6744
-0.9202	-1.5105	-0.8043	0.7924	-0.5648	-1.5105
-0.9202	-1.4013	-0.8043	0.9393	-0.5648	-1.4013
-0.9202	-1.3394	-0.8043	1.0718	-0.5648	-1.3394
-0.9202	-1.2400	-0.8043	1.2686	-0.5648	-1.2400
-0.9202	-1.1250	-0.8043	1.4472	-0.5648	-1.1250
-0.9202	-1.0125	-0.8043	1.5785	-0.5648	-1.0125
-0.9202	-0.9202	-0.8043	1.7568	-0.5648	-0.9202
-0.9202	-0.8043	-0.8043	1.8744	-0.5648	-0.8043
-0.9202	-0.6768	-0.8043	1.9574	-0.5648	-0.6768
-0.9202	-0.5648	-0.8043	1.9574	-0.5648	-0.5648
-0.9202	-0.4680	-0.8043	2.1242	-0.5648	-0.4680
-0.9202	-0.3060	-0.8043	2.2609	-0.5648	-0.3060
-0.9202	-0.1368	-0.6768	-2.4373	-0.5648	-0.1368
-0.9202	0.0443	-0.6768	-2.2994	-0.5648	0.0443

-0.5648	0.2642	-0.3060	-2.0532	-0.1368	0.2642
-0.5648	0.4518	-0.3060	-1.9083	-0.1368	0.4518
-0.5648	0.6302	-0.3060	-1.6744	-0.1368	0.6302
-0.5648	0.7924	-0.3060	-1.5105	-0.1368	0.7924
-0.5648	0.9393	-0.3060	-1.4013	-0.1368	0.9393
-0.5648	1.0718	-0.3060	-1.3394	-0.1368	1.0718
-0.5648	1.2686	-0.3060	-1.2400	-0.1368	1.2686
-0.5648	1.4472	-0.3060	-1.1250	-0.1368	1.4472
-0.5648	1.5785	-0.3060	-1.0125	-0.1368	1.5785
-0.5648	1.7568	-0.3060	-0.9202	-0.1368	1.7568
-0.5648	1.8744	-0.3060	-0.8043	-0.1368	1.8744
-0.5648	1.9574	-0.3060	-0.6768	-0.1368	1.9574
-0.5648	1.9574	-0.3060	-0.5648	-0.1368	1.9574
-0.5648	2.1242	-0.3060	-0.4680	-0.1368	2.1242
-0.5648	2.2609	-0.3060	-0.3060	-0.1368	2.2609
-0.4680	-2.4373	-0.3060	-0.1368	0.0443	-2.4373
-0.4680	-2.2994	-0.3060	0.0443	0.0443	-2.2994
-0.4680	-2.0532	-0.3060	0.2642	0.0443	-2.0532
-0.4680	-1.9083	-0.3060	0.4518	0.0443	-1.9083
-0.4680	-1.6744	-0.3060	0.6302	0.0443	-1.6744
-0.4680	-1.5105	-0.3060	0.7924	0.0443	-1.5105
-0.4680	-1.4013	-0.3060	0.9393	0.0443	-1.4013
-0.4680	-1.3394	-0.3060	1.0718	0.0443	-1.3394
-0.4680	-1.2400	-0.3060	1.2686	0.0443	-1.2400
-0.4680	-1.1250	-0.3060	1.4472	0.0443	-1.1250
-0.4680	-1.0125	-0.3060	1.5785	0.0443	-1.0125
-0.4680	-0.9202	-0.3060	1.7568	0.0443	-0.9202
-0.4680	-0.8043	-0.3060	1.8744	0.0443	-0.8043
-0.4680	-0.6768	-0.3060	1.9574	0.0443	-0.6768
-0.4680	-0.5648	-0.3060	1.9574	0.0443	-0.5648
-0.4680	-0.4680	-0.3060	2.1242	0.0443	-0.4680
-0.4680	-0.3060	-0.3060	2.2609	0.0443	-0.3060
-0.4680	-0.1368	-0.1368	-2.4373	0.0443	-0.1368
-0.4680	0.0443	-0.1368	-2.2994	0.0443	0.0443
-0.4680	0.2642	-0.1368	-2.0532	0.0443	0.2642
-0.4680	0.4518	-0.1368	-1.9083	0.0443	0.4518
-0.4680	0.6302	-0.1368	-1.6744	0.0443	0.6302
-0.4680	0.7924	-0.1368	-1.5105	0.0443	0.7924
-0.4680	0.9393	-0.1368	-1.4013	0.0443	0.9393
-0.4680	1.0718	-0.1368	-1.3394	0.0443	1.0718
-0.4680	1.2686	-0.1368	-1.2400	0.0443	1.2686
-0.4680	1.4472	-0.1368	-1.1250	0.0443	1.4472
-0.4680	1.5785	-0.1368	-1.0125	0.0443	1.5785
-0.4680	1.7568	-0.1368	-0.9202	0.0443	1.7568
-0.4680	1.8744	-0.1368	-0.8043	0.0443	1.8744
-0.4680	1.9574	-0.1368	-0.6768	0.0443	1.9574
-0.4680	1.9574	-0.1368	-0.5648	0.0443	1.9574
-0.4680	2.1242	-0.1368	-0.4680	0.0443	2.1242
-0.4680	2.2609	-0.1368	-0.3060	0.0443	2.2609
-0.3060	-2.4373	-0.1368	-0.1368	0.2642	-2.4373
-0.3060	-2.2994	-0.1368	0.0443	0.2642	-2.2994

0.2642	-2.0532	0.4518	0.2642	0.7924	-2.0532
0.2642	-1.9083	0.4518	0.4518	0.7924	-1.9083
0.2642	-1.6744	0.4518	0.6302	0.7924	-1.6744
0.2642	-1.5105	0.4518	0.7924	0.7924	-1.5105
0.2642	-1.4013	0.4518	0.9393	0.7924	-1.4013
0.2642	-1.3394	0.4518	1.0718	0.7924	-1.3394
0.2642	-1.2400	0.4518	1.2686	0.7924	-1.2400
0.2642	-1.1250	0.4518	1.4472	0.7924	-1.1250
0.2642	-1.0125	0.4518	1.5785	0.7924	-1.0125
0.2642	-0.9202	0.4518	1.7568	0.7924	-0.9202
0.2642	-0.8043	0.4518	1.8744	0.7924	-0.8043
0.2642	-0.6768	0.4518	1.9574	0.7924	-0.6768
0.2642	-0.5648	0.4518	1.9574	0.7924	-0.5648
0.2642	-0.4680	0.4518	2.1242	0.7924	-0.4680
0.2642	-0.3060	0.4518	2.2609	0.7924	-0.3060
0.2642	-0.1368	0.6302	-2.4373	0.7924	-0.1368
0.2642	0.0443	0.6302	-2.2994	0.7924	0.0443
0.2642	0.2642	0.6302	-2.0532	0.7924	0.2642
0.2642	0.4518	0.6302	-1.9083	0.7924	0.4518
0.2642	0.6302	0.6302	-1.6744	0.7924	0.6302
0.2642	0.7924	0.6302	-1.5105	0.7924	0.7924
0.2642	0.9393	0.6302	-1.4013	0.7924	0.9393
0.2642	1.0718	0.6302	-1.3394	0.7924	1.0718
0.2642	1.2686	0.6302	-1.2400	0.7924	1.2686
0.2642	1.4472	0.6302	-1.1250	0.7924	1.4472
0.2642	1.5785	0.6302	-1.0125	0.7924	1.5785
0.2642	1.7568	0.6302	-0.9202	0.7924	1.7568
0.2642	1.8744	0.6302	-0.8043	0.7924	1.8744
0.2642	1.9574	0.6302	-0.6768	0.7924	1.9574
0.2642	1.9574	0.6302	-0.5648	0.7924	1.9574
0.2642	2.1242	0.6302	-0.4680	0.7924	2.1242
0.2642	2.2609	0.6302	-0.3060	0.7924	2.2609
0.4518	-2.4373	0.6302	-0.1368	0.9393	-2.4373
0.4518	-2.2994	0.6302	0.0443	0.9393	-2.2994
0.4518	-2.0532	0.6302	0.2642	0.9393	-2.0532
0.4518	-1.9083	0.6302	0.4518	0.9393	-1.9083
0.4518	-1.6744	0.6302	0.6302	0.9393	-1.6744
0.4518	-1.5105	0.6302	0.7924	0.9393	-1.5105
0.4518	-1.4013	0.6302	0.9393	0.9393	-1.4013
0.4518	-1.3394	0.6302	1.0718	0.9393	-1.3394
0.4518	-1.2400	0.6302	1.2686	0.9393	-1.2400
0.4518	-1.1250	0.6302	1.4472	0.9393	-1.1250
0.4518	-1.0125	0.6302	1.5785	0.9393	-1.0125
0.4518	-0.9202	0.6302	1.7568	0.9393	-0.9202
0.4518	-0.8043	0.6302	1.8744	0.9393	-0.8043
0.4518	-0.6768	0.6302	1.9574	0.9393	-0.6768
0.4518	-0.5648	0.6302	1.9574	0.9393	-0.5648
0.4518	-0.4680	0.6302	2.1242	0.9393	-0.4680
0.4518	-0.3060	0.6302	2.2609	0.9393	-0.3060
0.4518	-0.1368	0.7924	-2.4373	0.9393	-0.1368
0.4518	0.0443	0.7924	-2.2994	0.9393	0.0443

0.9393	0.2642	1.2686	-2.0532	1.4472	0.2642
0.9393	0.4518	1.2686	-1.9083	1.4472	0.4518
0.9393	0.6302	1.2686	-1.6744	1.4472	0.6302
0.9393	0.7924	1.2686	-1.5105	1.4472	0.7924
0.9393	0.9393	1.2686	-1.4013	1.4472	0.9393
0.9393	1.0718	1.2686	-1.3394	1.4472	1.0718
0.9393	1.2686	1.2686	-1.2400	1.4472	1.2686
0.9393	1.4472	1.2686	-1.1250	1.4472	1.4472
0.9393	1.5785	1.2686	-1.0125	1.4472	1.5785
0.9393	1.7568	1.2686	-0.9202	1.4472	1.7568
0.9393	1.8744	1.2686	-0.8043	1.4472	1.8744
0.9393	1.9574	1.2686	-0.6768	1.4472	1.9574
0.9393	1.9574	1.2686	-0.5648	1.4472	1.9574
0.9393	2.1242	1.2686	-0.4680	1.4472	2.1242
0.9393	2.2609	1.2686	-0.3060	1.4472	2.2609
1.0718	-2.4373	1.2686	-0.1368	1.5785	-2.4373
1.0718	-2.2994	1.2686	0.0443	1.5785	-2.2994
1.0718	-2.0532	1.2686	0.2642	1.5785	-2.0532
1.0718	-1.9083	1.2686	0.4518	1.5785	-1.9083
1.0718	-1.6744	1.2686	0.6302	1.5785	-1.6744
1.0718	-1.5105	1.2686	0.7924	1.5785	-1.5105
1.0718	-1.4013	1.2686	0.9393	1.5785	-1.4013
1.0718	-1.3394	1.2686	1.0718	1.5785	-1.3394
1.0718	-1.2400	1.2686	1.2686	1.5785	-1.2400
1.0718	-1.1250	1.2686	1.4472	1.5785	-1.1250
1.0718	-1.0125	1.2686	1.5785	1.5785	-1.0125
1.0718	-0.9202	1.2686	1.7568	1.5785	-0.9202
1.0718	-0.8043	1.2686	1.8744	1.5785	-0.8043
1.0718	-0.6768	1.2686	1.9574	1.5785	-0.6768
1.0718	-0.5648	1.2686	1.9574	1.5785	-0.5648
1.0718	-0.4680	1.2686	2.1242	1.5785	-0.4680
1.0718	-0.3060	1.2686	2.2609	1.5785	-0.3060
1.0718	-0.1368	1.4472	-2.4373	1.5785	-0.1368
1.0718	0.0443	1.4472	-2.2994	1.5785	0.0443
1.0718	0.2642	1.4472	-2.0532	1.5785	0.2642
1.0718	0.4518	1.4472	-1.9083	1.5785	0.4518
1.0718	0.6302	1.4472	-1.6744	1.5785	0.6302
1.0718	0.7924	1.4472	-1.5105	1.5785	0.7924
1.0718	0.9393	1.4472	-1.4013	1.5785	0.9393
1.0718	1.0718	1.4472	-1.3394	1.5785	1.0718
1.0718	1.2686	1.4472	-1.2400	1.5785	1.2686
1.0718	1.4472	1.4472	-1.1250	1.5785	1.4472
1.0718	1.5785	1.4472	-1.0125	1.5785	1.5785
1.0718	1.7568	1.4472	-0.9202	1.5785	1.7568
1.0718	1.8744	1.4472	-0.8043	1.5785	1.8744
1.0718	1.9574	1.4472	-0.6768	1.5785	1.9574
1.0718	1.9574	1.4472	-0.5648	1.5785	1.9574
1.0718	2.1242	1.4472	-0.4680	1.5785	2.1242
1.0718	2.2609	1.4472	-0.3060	1.5785	2.2609
1.2686	-2.4373	1.4472	-0.1368	1.7568	-2.4373
1.2686	-2.2994	1.4472	0.0443	1.7568	-2.2994

1.7568	-2.0532	1.8744	0.2642	1.9574	-2.0532
1.7568	-1.9083	1.8744	0.4518	1.9574	-1.9083
1.7568	-1.6744	1.8744	0.6302	1.9574	-1.6744
1.7568	-1.5105	1.8744	0.7924	1.9574	-1.5105
1.7568	-1.4013	1.8744	0.9393	1.9574	-1.4013
1.7568	-1.3394	1.8744	1.0718	1.9574	-1.3394
1.7568	-1.2400	1.8744	1.2686	1.9574	-1.2400
1.7568	-1.1250	1.8744	1.4472	1.9574	-1.1250
1.7568	-1.0125	1.8744	1.5785	1.9574	-1.0125
1.7568	-0.9202	1.8744	1.7568	1.9574	-0.9202
1.7568	-0.8043	1.8744	1.8744	1.9574	-0.8043
1.7568	-0.6768	1.8744	1.9574	1.9574	-0.6768
1.7568	-0.5648	1.8744	1.9574	1.9574	-0.5648
1.7568	-0.4680	1.8744	2.1242	1.9574	-0.4680
1.7568	-0.3060	1.8744	2.2609	1.9574	-0.3060
1.7568	-0.1368	1.9574	-2.4373	1.9574	-0.1368
1.7568	0.0443	1.9574	-2.2994	1.9574	0.0443
1.7568	0.2642	1.9574	-2.0532	1.9574	0.2642
1.7568	0.4518	1.9574	-1.9083	1.9574	0.4518
1.7568	0.6302	1.9574	-1.6744	1.9574	0.6302
1.7568	0.7924	1.9574	-1.5105	1.9574	0.7924
1.7568	0.9393	1.9574	-1.4013	1.9574	0.9393
1.7568	1.0718	1.9574	-1.3394	1.9574	1.0718
1.7568	1.2686	1.9574	-1.2400	1.9574	1.2686
1.7568	1.4472	1.9574	-1.1250	1.9574	1.4472
1.7568	1.5785	1.9574	-1.0125	1.9574	1.5785
1.7568	1.7568	1.9574	-0.9202	1.9574	1.7568
1.7568	1.8744	1.9574	-0.8043	1.9574	1.8744
1.7568	1.9574	1.9574	-0.6768	1.9574	1.9574
1.7568	1.9574	1.9574	-0.5648	1.9574	1.9574
1.7568	2.1242	1.9574	-0.4680	1.9574	2.1242
1.7568	2.2609	1.9574	-0.3060	1.9574	2.2609
1.8744	-2.4373	1.9574	-0.1368	2.1242	-2.4373
1.8744	-2.2994	1.9574	0.0443	2.1242	-2.2994
1.8744	-2.0532	1.9574	0.2642	2.1242	-2.0532
1.8744	-1.9083	1.9574	0.4518	2.1242	-1.9083
1.8744	-1.6744	1.9574	0.6302	2.1242	-1.6744
1.8744	-1.5105	1.9574	0.7924	2.1242	-1.5105
1.8744	-1.4013	1.9574	0.9393	2.1242	-1.4013
1.8744	-1.3394	1.9574	1.0718	2.1242	-1.3394
1.8744	-1.2400	1.9574	1.2686	2.1242	-1.2400
1.8744	-1.1250	1.9574	1.4472	2.1242	-1.1250
1.8744	-1.0125	1.9574	1.5785	2.1242	-1.0125
1.8744	-0.9202	1.9574	1.7568	2.1242	-0.9202
1.8744	-0.8043	1.9574	1.8744	2.1242	-0.8043
1.8744	-0.6768	1.9574	1.9574	2.1242	-0.6768
1.8744	-0.5648	1.9574	1.9574	2.1242	-0.5648
1.8744	-0.4680	1.9574	2.1242	2.1242	-0.4680
1.8744	-0.3060	1.9574	2.2609	2.1242	-0.3060
1.8744	-0.1368	1.9574	-2.4373	2.1242	-0.1368
1.8744	0.0443	1.9574	-2.2994	2.1242	0.0443

2.1242	0.2642	2.2609	-2.0532	2.2609	0.2642
2.1242	0.4518	2.2609	-1.9083	2.2609	0.4518
2.1242	0.6302	2.2609	-1.6744	2.2609	0.6302
2.1242	0.7924	2.2609	-1.5105	2.2609	0.7924
2.1242	0.9393	2.2609	-1.4013	2.2609	0.9393
2.1242	1.0718	2.2609	-1.3394	2.2609	1.0718
2.1242	1.2686	2.2609	-1.2400	2.2609	1.2686
2.1242	1.4472	2.2609	-1.1250	2.2609	1.4472
2.1242	1.5785	2.2609	-1.0125	2.2609	1.5785
2.1242	1.7568	2.2609	-0.9202	2.2609	1.7568
2.1242	1.8744	2.2609	-0.8043	2.2609	1.8744
2.1242	1.9574	2.2609	-0.6768	2.2609	1.9574
2.1242	1.9574	2.2609	-0.5648	2.2609	1.9574
2.1242	2.1242	2.2609	-0.4680	2.2609	2.1242
2.1242	2.2609	2.2609	-0.3060	2.2609	2.2609
2.2609	-2.4373	2.2609	-0.1368		
2.2609	-2.2994	2.2609	0.0443		

Parámetros de Diseño: Codebook generado a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

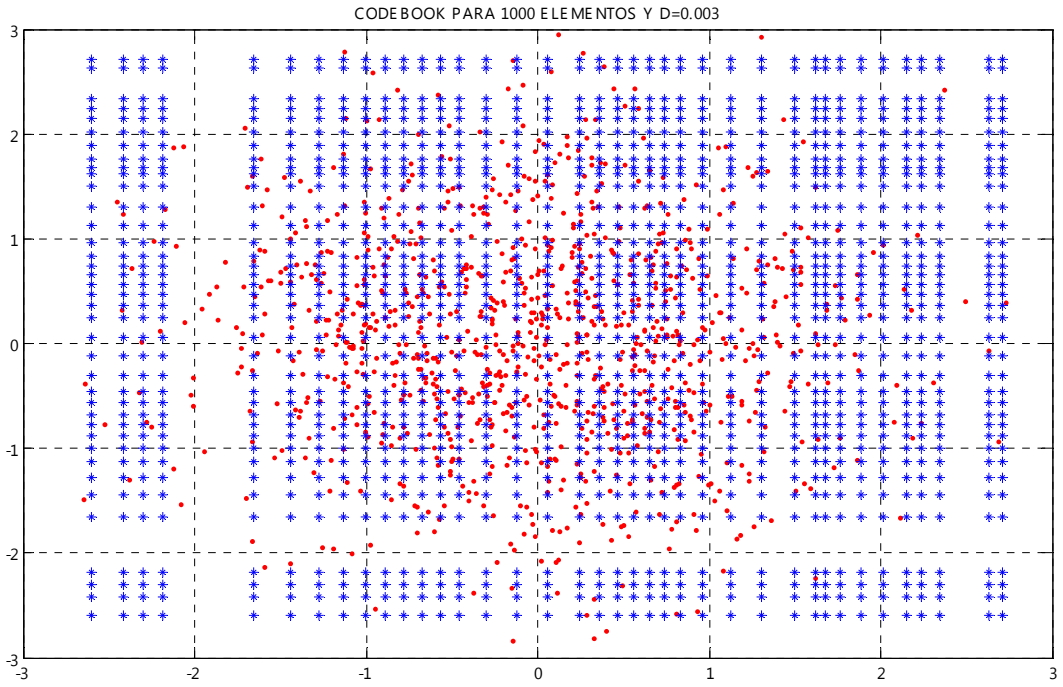
-1.8209	-1.8209	-0.6211	0.9448	0.5410	0.1838
-1.8209	-1.0588	-0.6211	1.6728	0.5410	0.5410
-1.8209	-0.6211	-0.2145	-1.8209	0.5410	0.9448
-1.8209	-0.2145	-0.2145	-1.0588	0.5410	1.6728
-1.8209	0.1838	-0.2145	-0.6211	0.9448	-1.8209
-1.8209	0.5410	-0.2145	-0.2145	0.9448	-1.0588
-1.8209	0.9448	-0.2145	0.1838	0.9448	-0.6211
-1.8209	1.6728	-0.2145	0.5410	0.9448	-0.2145
-1.0588	-1.8209	-0.2145	0.9448	0.9448	0.1838
-1.0588	-1.0588	-0.2145	1.6728	0.9448	0.5410
-1.0588	-0.6211	0.1838	-1.8209	0.9448	0.9448
-1.0588	-0.2145	0.1838	-1.0588	0.9448	1.6728
-1.0588	0.1838	0.1838	-0.6211	1.6728	-1.8209
-1.0588	0.5410	0.1838	-0.2145	1.6728	-1.0588
-1.0588	0.9448	0.1838	0.1838	1.6728	-0.6211
-1.0588	1.6728	0.1838	0.5410	1.6728	-0.2145
-0.6211	-1.8209	0.1838	0.9448	1.6728	0.1838
-0.6211	-1.0588	0.1838	1.6728	1.6728	0.5410
-0.6211	-0.6211	0.5410	-1.8209	1.6728	0.9448
-0.6211	-0.2145	0.5410	-1.0588	1.6728	1.6728
-0.6211	0.1838	0.5410	-0.6211		
-0.6211	0.5410	0.5410	-0.2145		

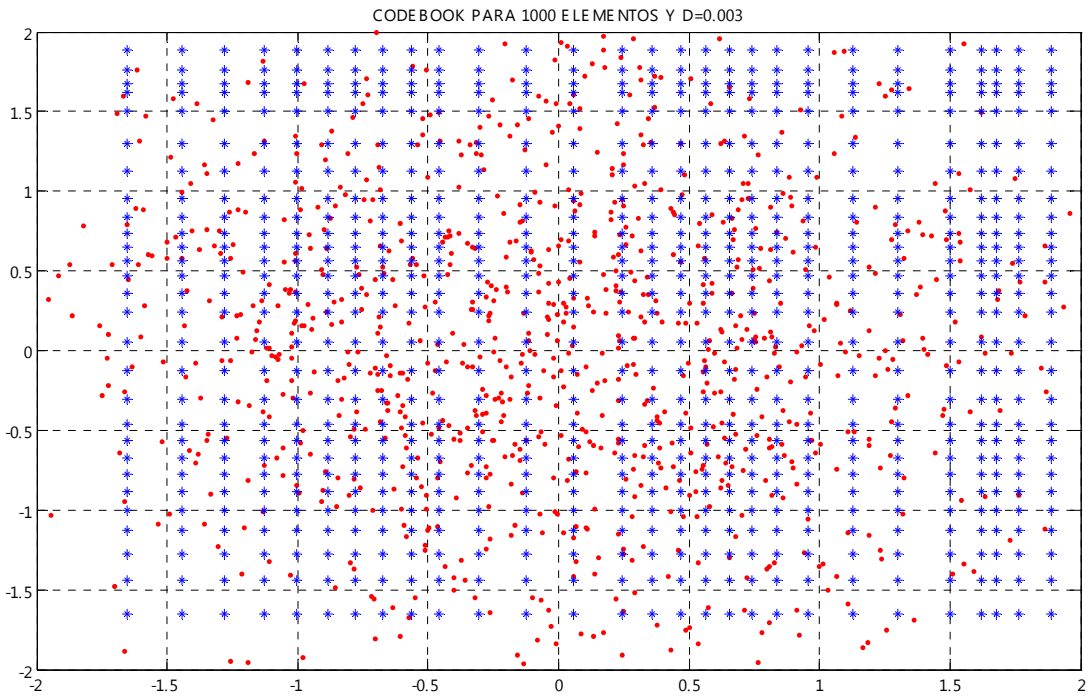
Parámetros de Diseño: Codebook generado a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.

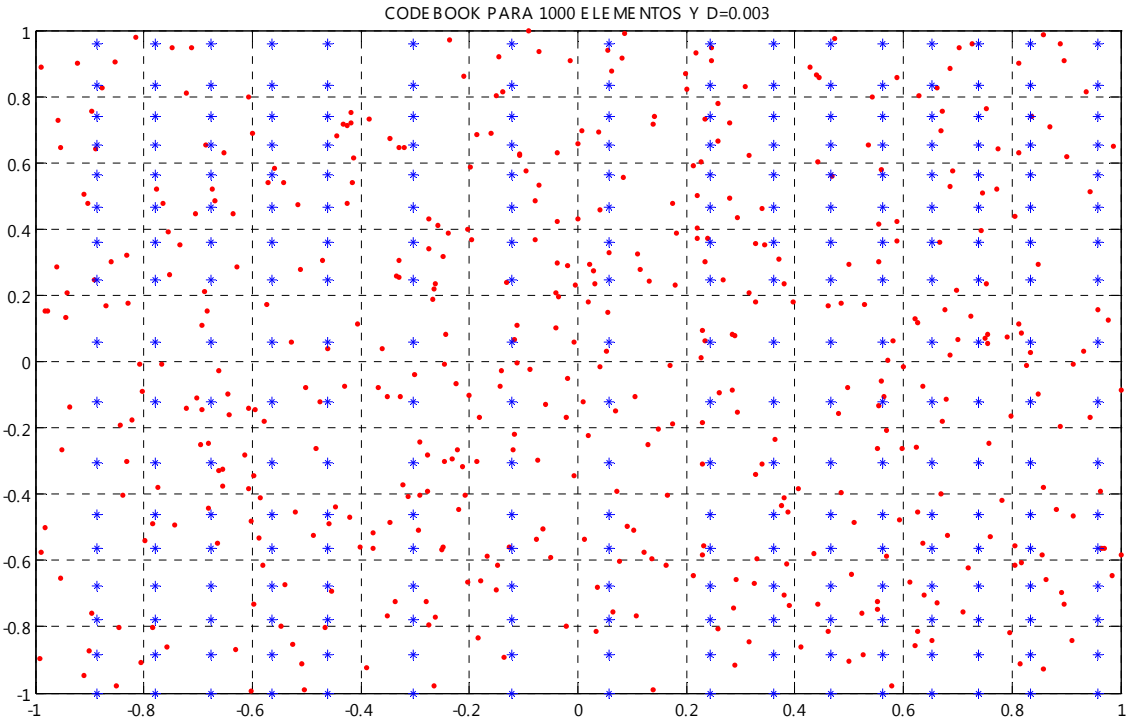
-0.7753	-0.7753	0.8518	-0.7753
-0.7753	0.8518	0.8518	0.8518

ANEXO 8: ALGORITMO COVQ (DISTRIBUCIÓN NORMAL)

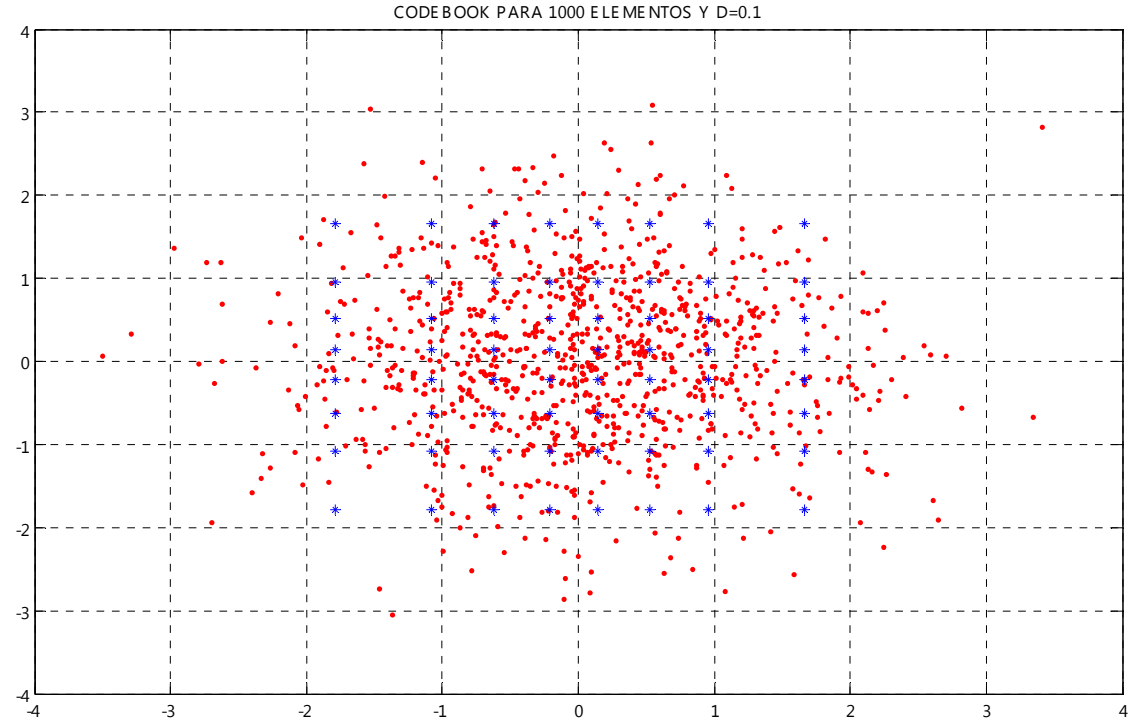
Parámetros de Diseño: Centroides generados a partir de 1 000 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

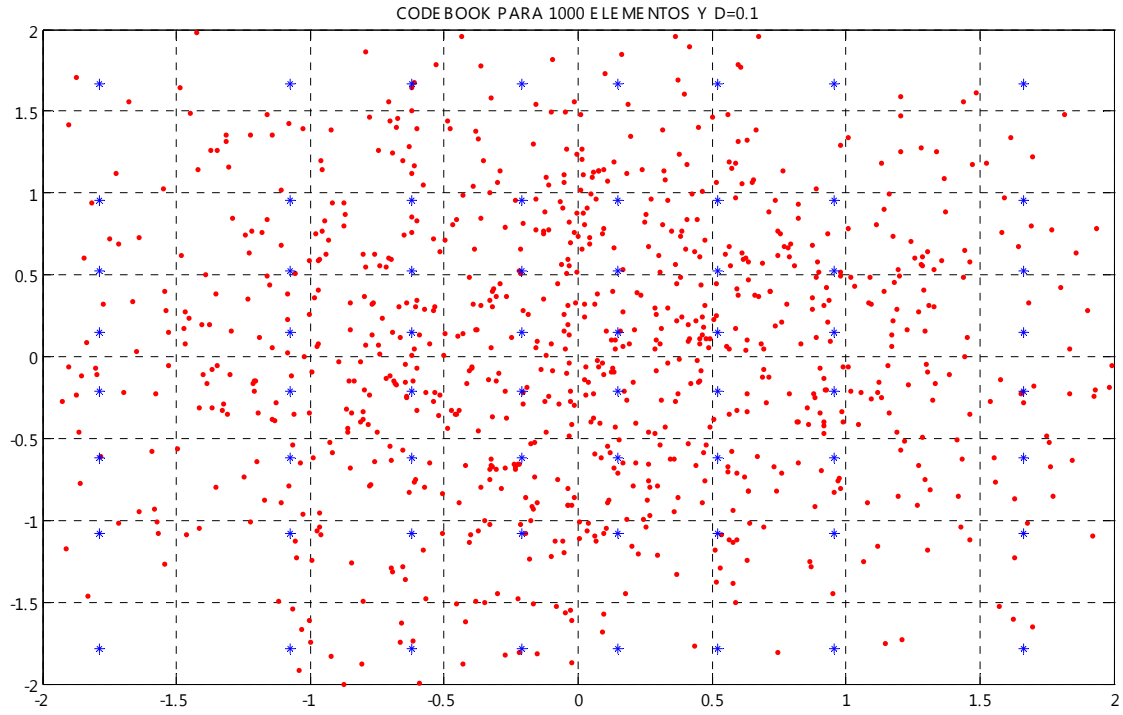


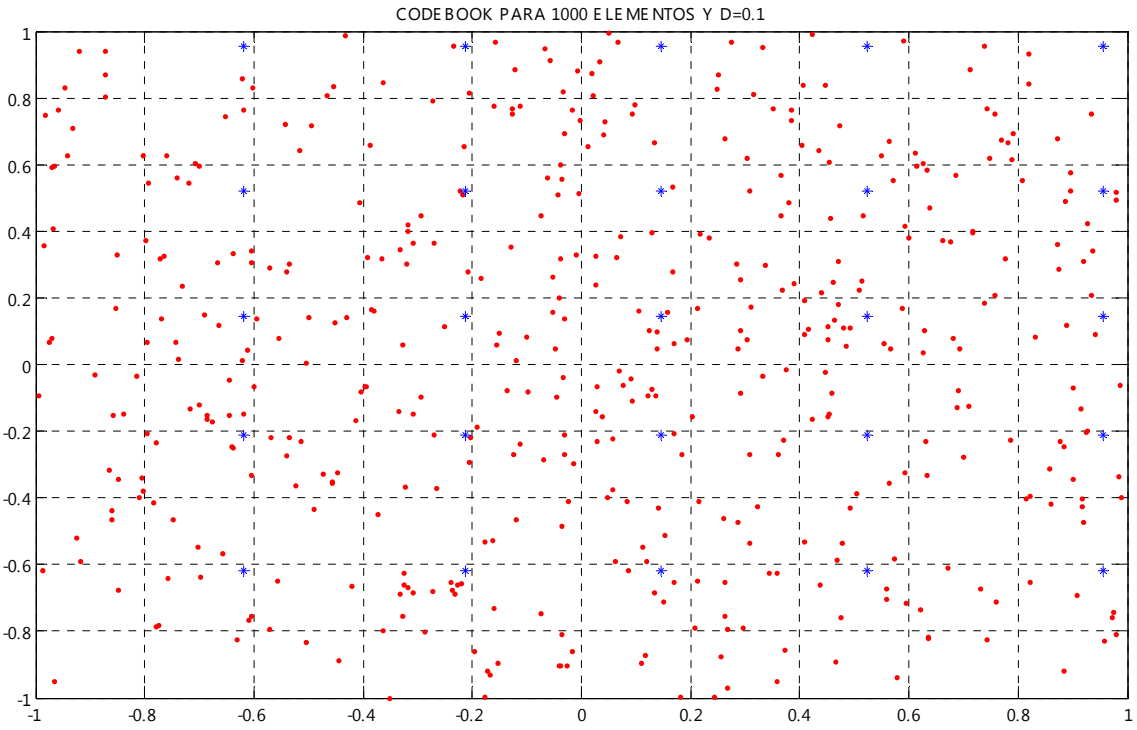




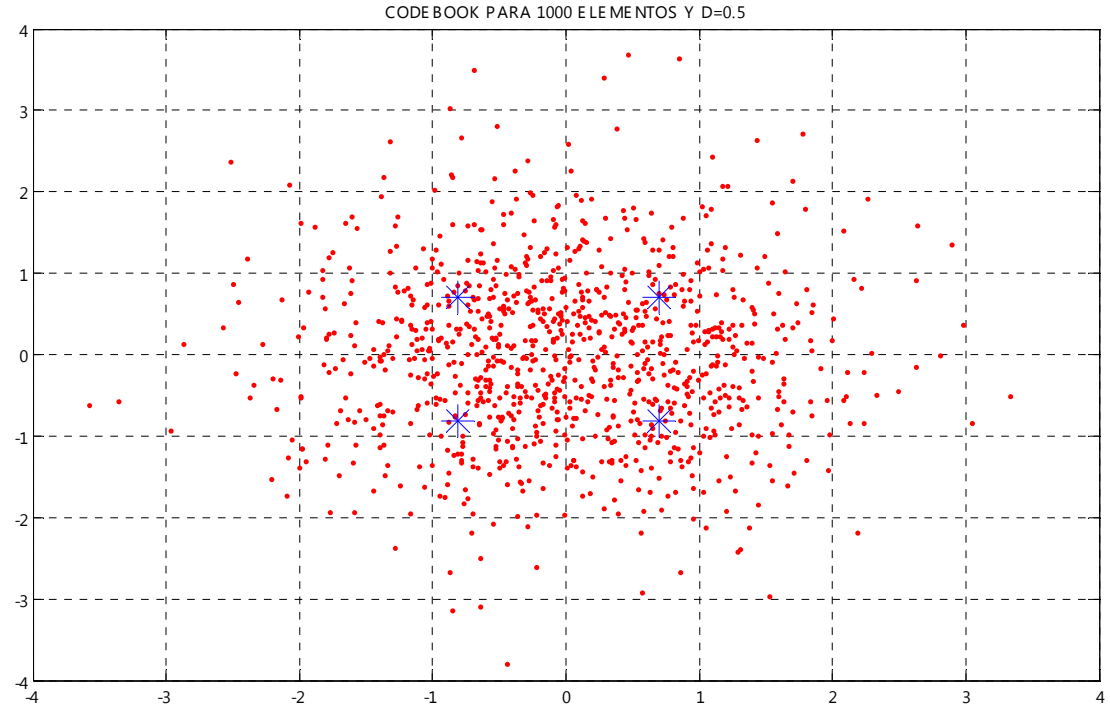
Parámetros de Diseño: Centroides generados a partir de 1 000 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

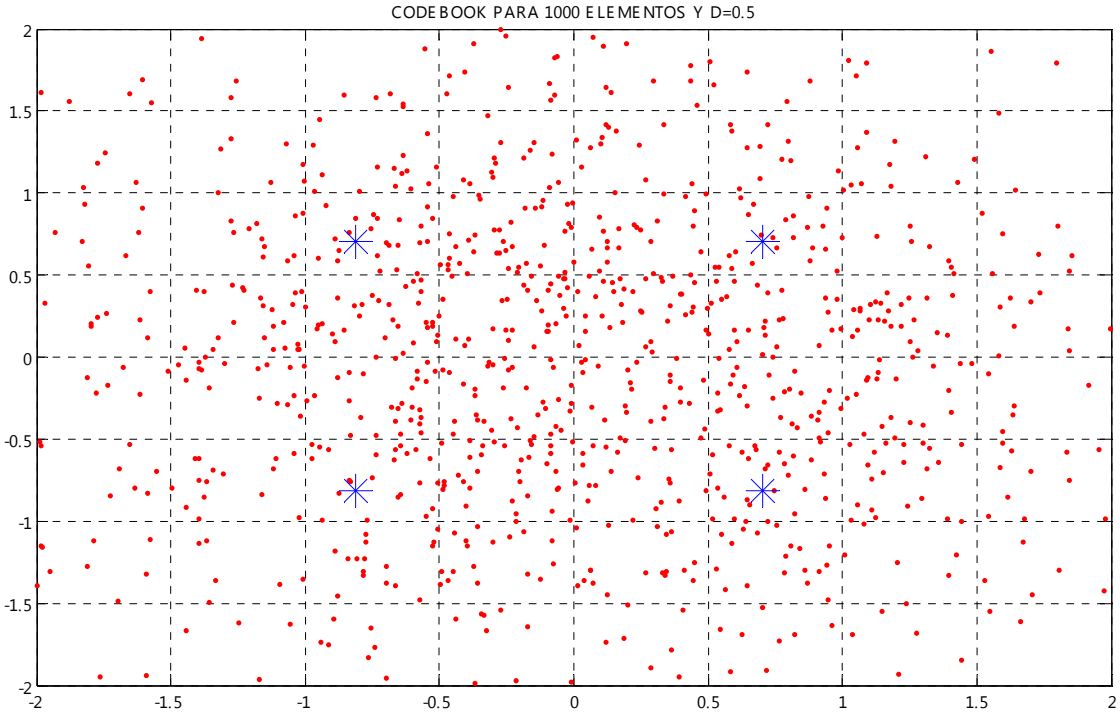


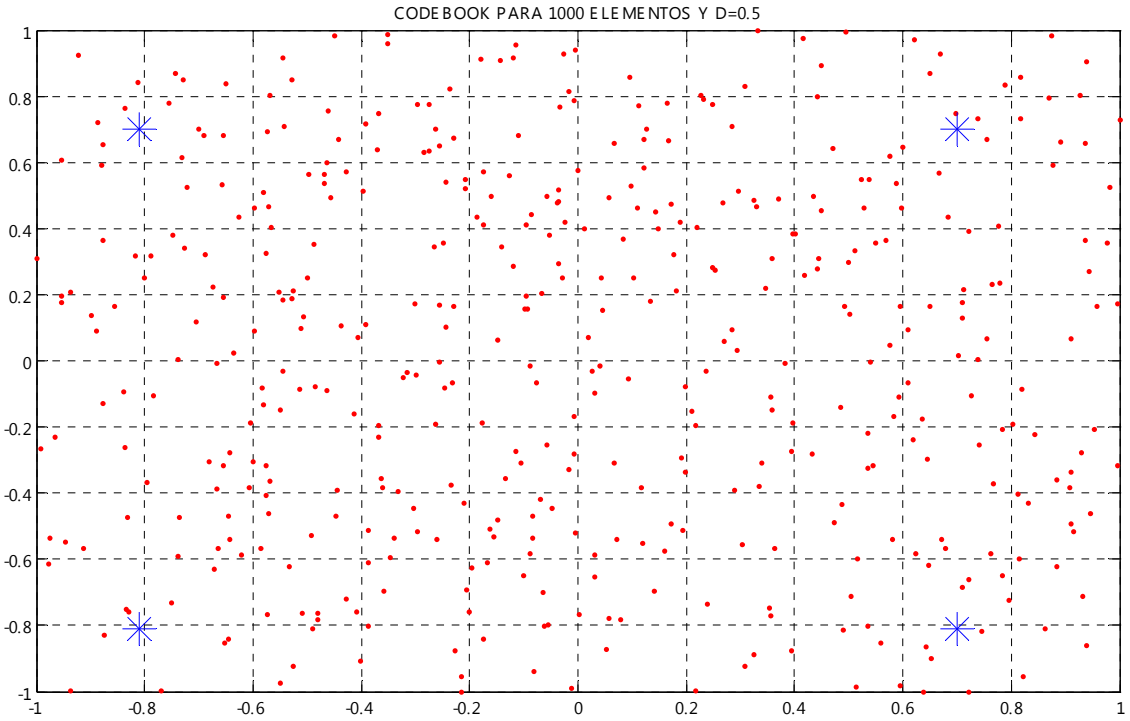

CODEBOOK PARA 1000 ELEMENTOS Y D=0.1
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2


CODEBOOK PARA 1000 ELEMENTOS Y D=0.1
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

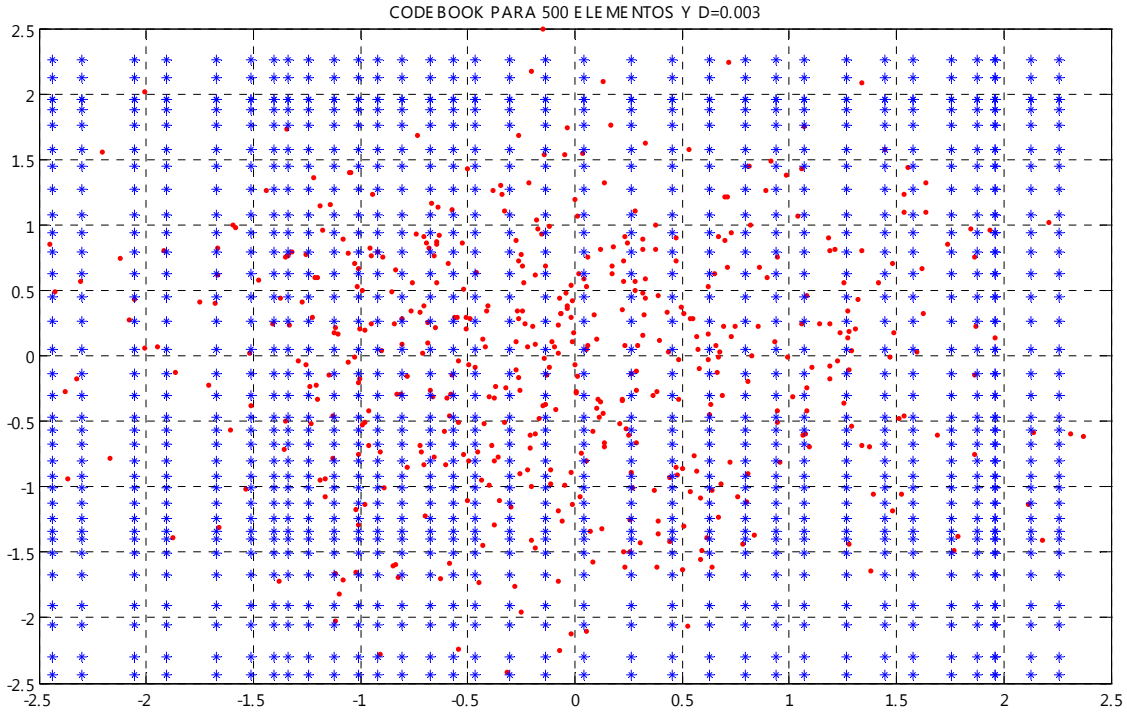
Parámetros de Diseño: Centroides generados a partir de 1 000 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.

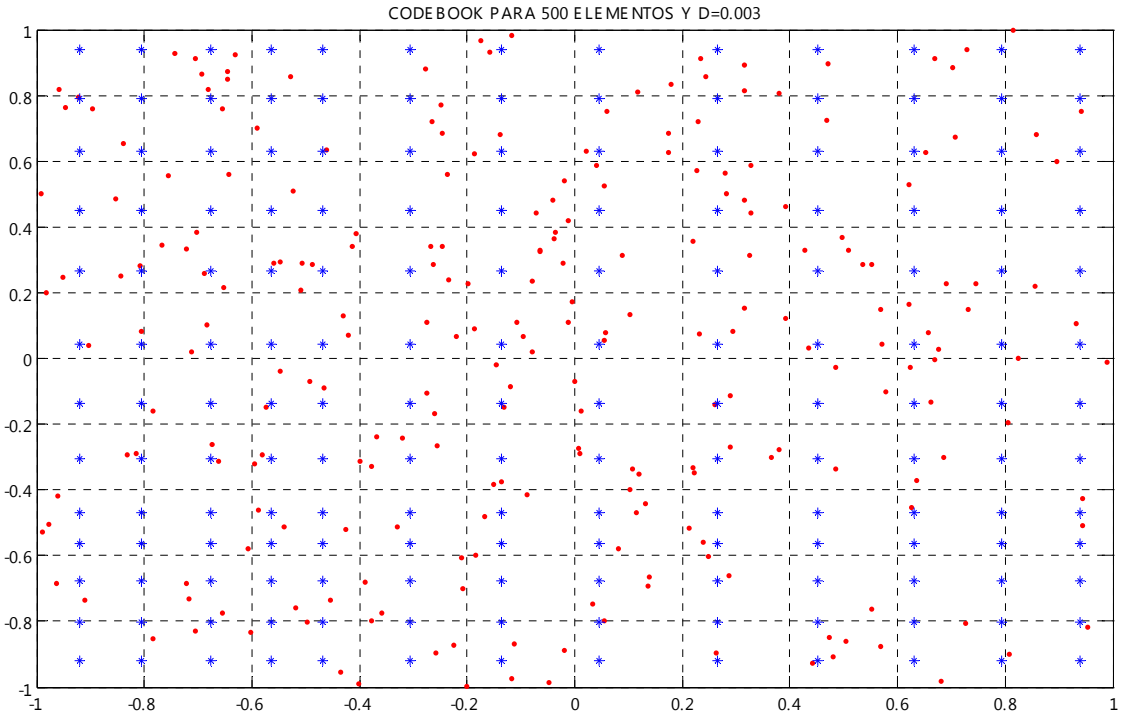


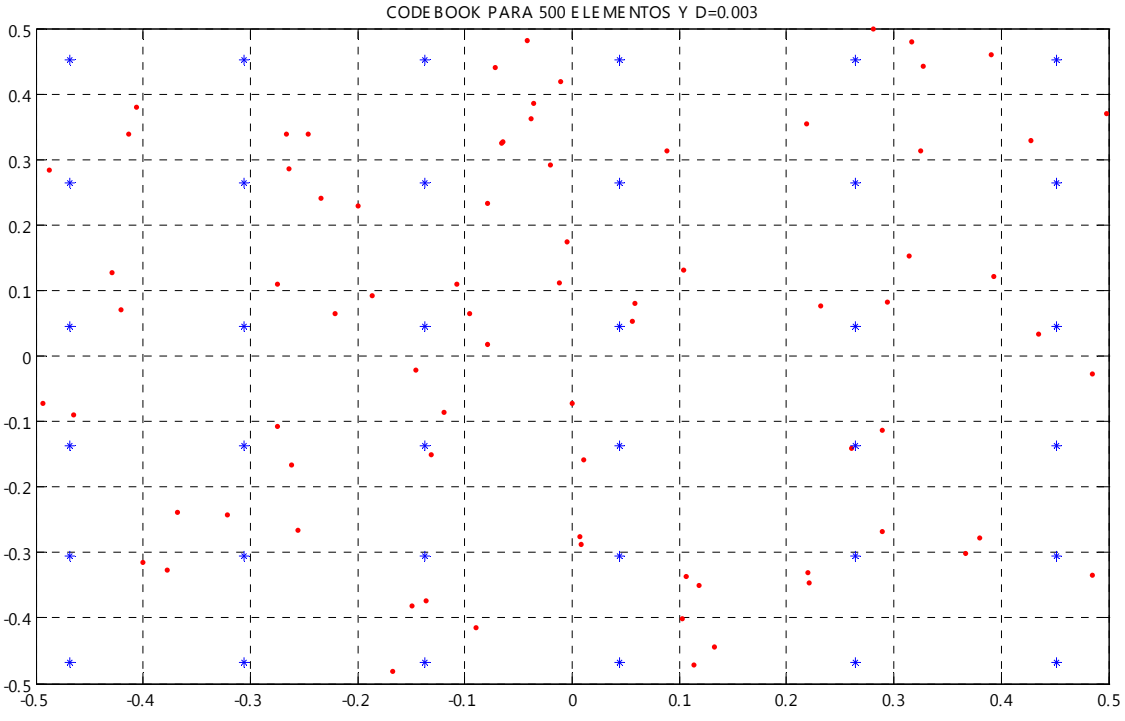




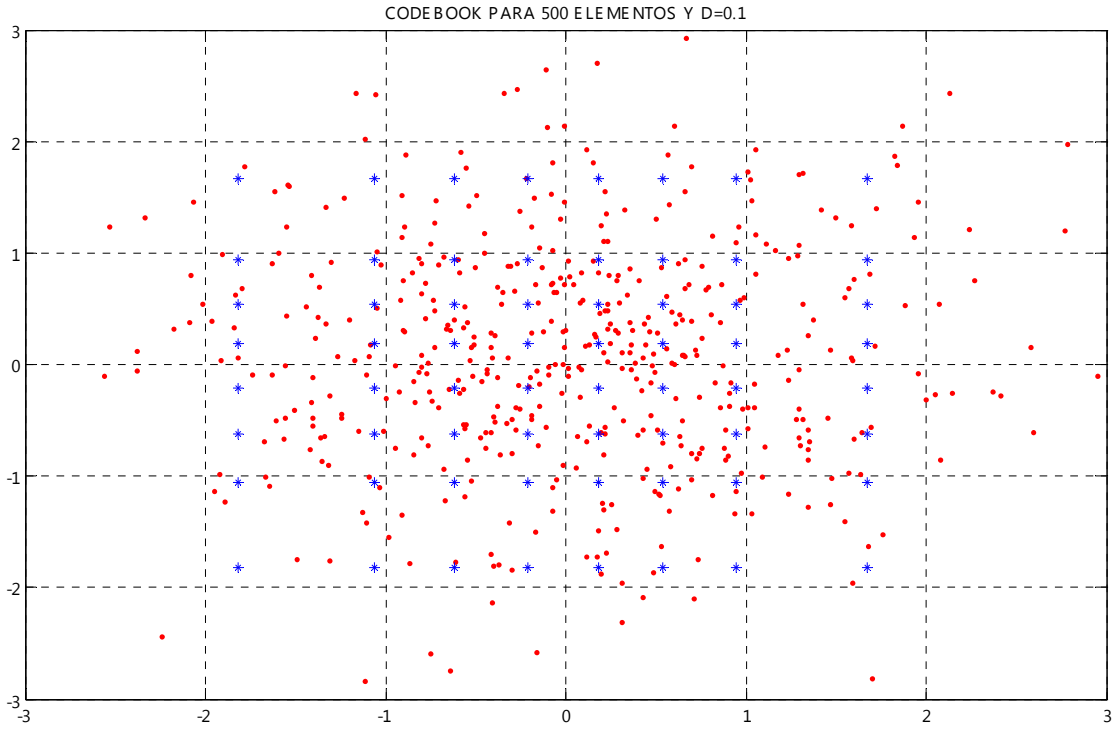
Parámetros de Diseño: Centroides generados a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.003.

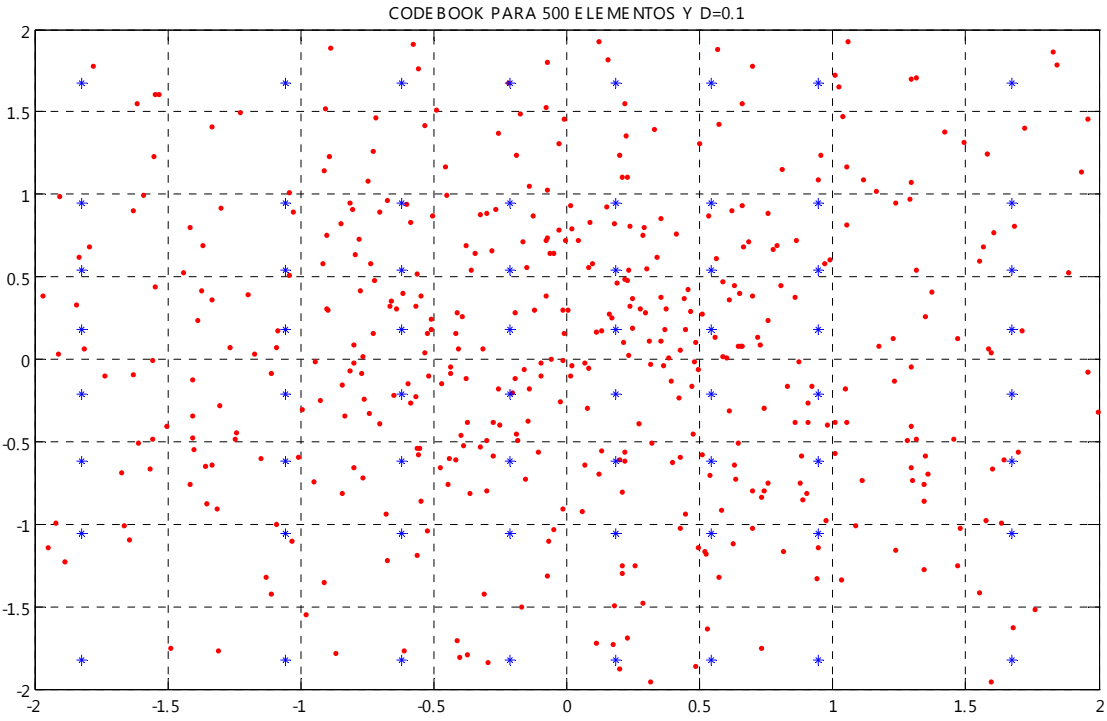


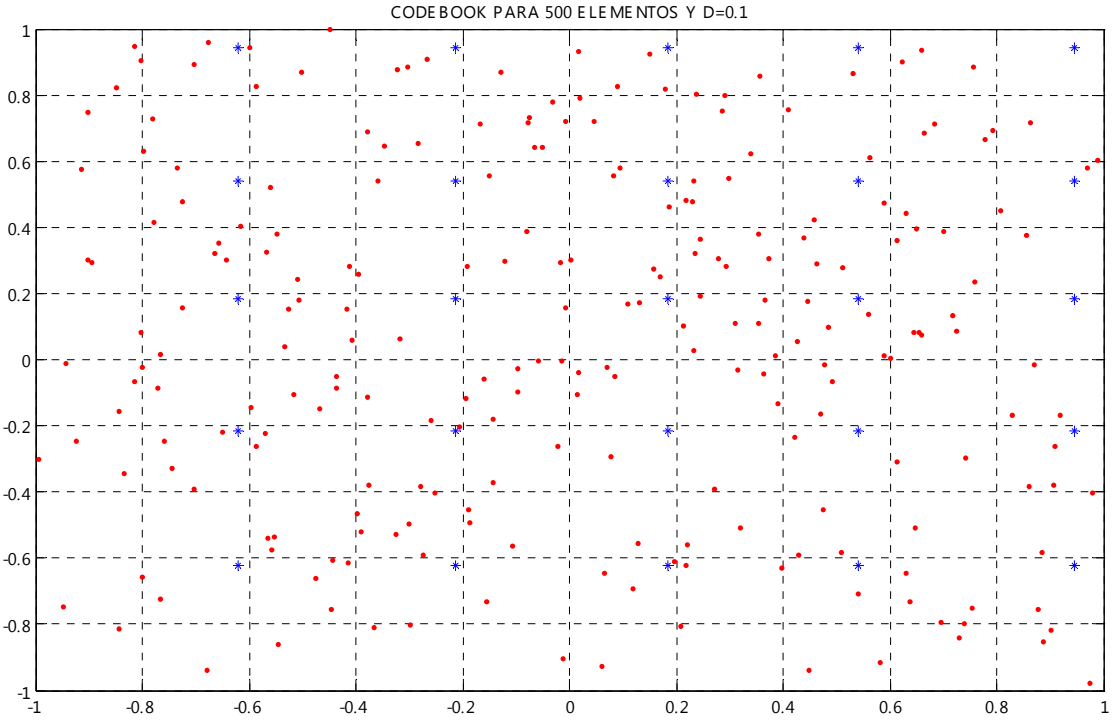

CODEBOOK PARA 500 ELEMENTOS Y D=0.003
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


CODEBOOK PARA 500 ELEMENTOS Y D=0.003
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.5
-0.4
-0.3
-0.2
-0.1
0
0.1
0.2
0.3
0.4
0.5

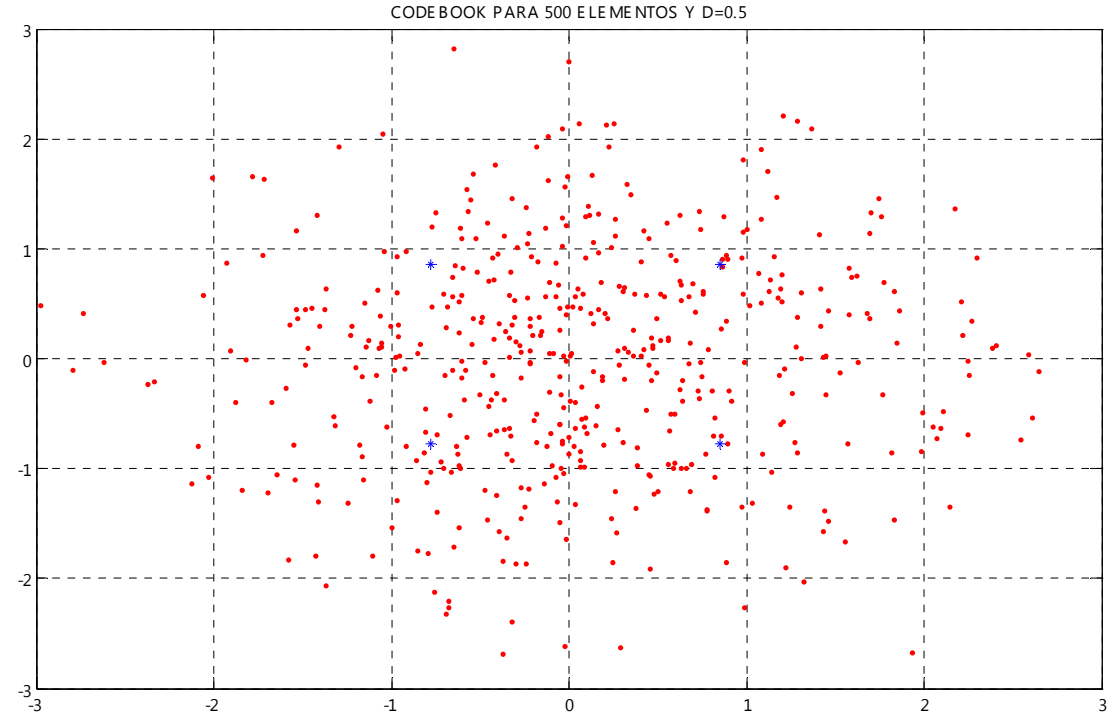
Parámetros de Diseño: Centroides generados a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.1.

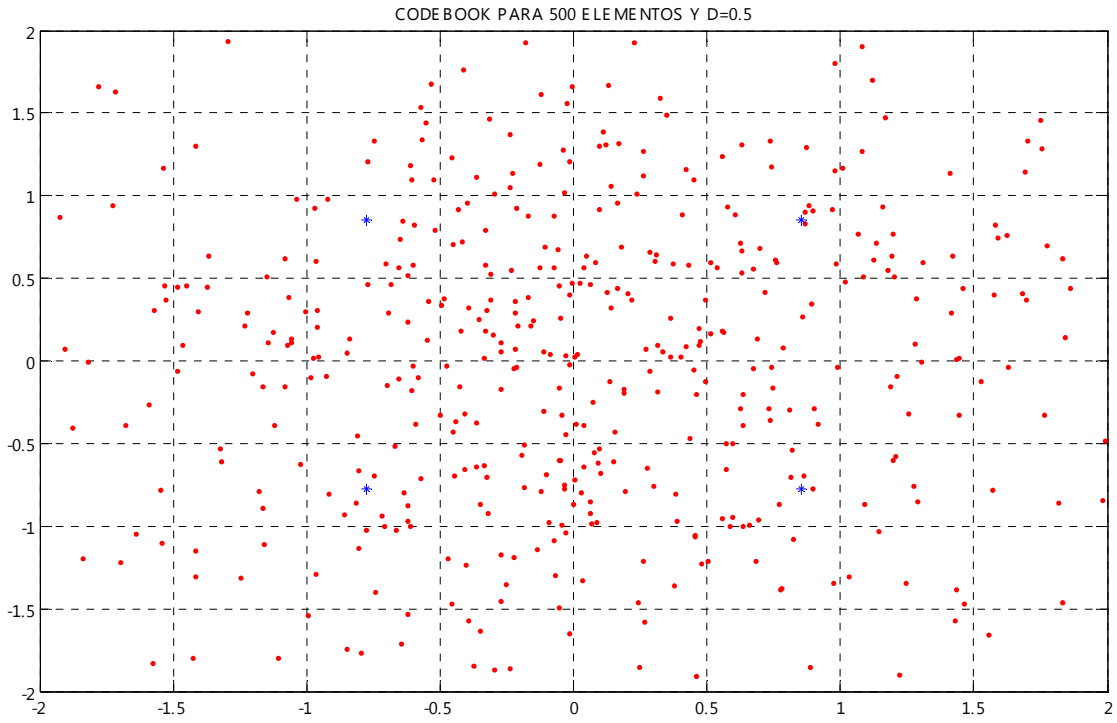






Parámetros de Diseño: Centroides generados a partir de 500 vectores aleatorios con una distribución normal y tomando como parámetro fundamental una distorsión de 0.5.




CODEBOOK PARA 500 ELEMENTOS Y D=0.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2