

ANEXO V: Tabla: Análisis paramétrico. ENOB

Tdelay	V_offset	Depend_offset	C1	C2	ENOB
0ns	0V	0	5pF	5pF	9.835595
2ns	0V	0	5pF	5pF	9.833915
10ns	0V	0	5pF	5pF	9.802238
100ns	0V	0	5pF	5pF	5.612505
1000ns	0V	0	5pF	5pF	3.598794
0ns	0V	0	4.75 pF	5pF	4.640760
0ns	0V	0	4.85pF	5pF	8.457177
0ns	0V	0	4.95pF	5pF	9.680163
0ns	0V	0	5.05pF	5pF	6.856087
0ns	0V	0	5.15pF	5pF	5.605541
0ns	0V	0	5.25pF	5pF	5.272146
2ns	0V	0	4.75pF	5pF	4.642081
2ns	0V	0	4.85pF	5pF	8.457177
2ns	0V	0	4.95pF	5pF	9.680163
2ns	0V	0	5.05pF	5pF	6.856087
2ns	0V	0	5.15pF	5pF	5.519179
2ns	0V	0	5.25pF	5pF	5.272146
10ns	0V	0	4.75pF	5pF	4.633648
10ns	0V	0	4.85pF	5pF	8.566079
10ns	0V	0	4.95pF	5pF	9.803815
10ns	0V	0	5.05pF	5pF	5.467504
10ns	0V	0	5.15pF	5pF	5.359190
10ns	0V	0	5.25pF	5pF	4.957150
100ns	0V	0	4.75pF	5pF	0.109494
100ns	0V	0	4.85pF	5pF	5.641440
100ns	0V	0	4.95pF	5pF	5.605692
100ns	0V	0	5.05pF	5pF	5.412751

100ns	0V	0	5.15pF	5pF	4.596941
100ns	0V	0	5.25pF	5pF	5.080378
1000ns	0V	0	4.75pF	5pF	-0.990158
1000ns	0V	0	4.85pF	5pF	-0.787488
1000ns	0V	0	4.95pF	5pF	0.068941
1000ns	0V	0	5.05pF	5pF	4.104261
1000ns	0V	0	5.15pF	5pF	3.850392
1000ns	0V	0	5.25pF	5pF	3.627541
0ns	0.0005V	0	5pF	5pF	9.835595
0ns	0.0025V	0	5pF	5pF	5.632873
0ns	0.0050V	0	5pF	5pF	4.869488
0ns	0.0075V	0	5pF	5pF	4.873190
0ns	0.0100V	0	5pF	5pF	4.873190
2ns	0.0005V	0	5pF	5pF	9.835595
2ns	0.0025V	0	5pF	5pF	5.632873
2ns	0.0050V	0	5pF	5pF	4.871788
2ns	0.0075V	0	5pF	5pF	4.873190
2ns	0.0100V	0	5pF	5pF	4.873190
10ns	0.0005V	0	5pF	5pF	9.732800
10ns	0.0025V	0	5pF	5pF	5.630739
10ns	0.0050V	0	5pF	5pF	4.868131
10ns	0.0075V	0	5pF	5pF	4.868131
10ns	0.0100V	0	5pF	5pF	4.870877
100ns	0.0005V	0	5pF	5pF	5.593217
100ns	0.0025V	0	5pF	5pF	5.605762
100ns	0.0050V	0	5pF	5pF	5.488730
100ns	0.0075V	0	5pF	5pF	4.790197
100ns	0.0100V	0	5pF	5pF	4.829789
1000ns	0.0005V	0	5pF	5pF	3.631999
1000ns	0.0025V	0	5pF	5pF	0.087811

1000ns	0.0050V	0	5pF	5pF	0.087144
1000ns	0.0075V	0	5pF	5pF	0.079270
1000ns	0.0100V	0	5pF	5pF	0.047758
0ns	0.0005V	0.002	5pF	5pF	9.833915
0ns	0.0005V	0.004	5pF	5pF	9.833915
0ns	0.0005V	0.006	5pF	5pF	9.833915
2ns	0.0005V	0.002	5pF	5pF	9.835595
2ns	0.0005V	0.004	5pF	5pF	9.835595
2ns	0.0005V	0.006	5pF	5pF	9.835595
10ns	0.0005V	0.002	5pF	5pF	9.732800
10ns	0.0005V	0.004	5pF	5pF	9.732800
10ns	0.0005V	0.006	5pF	5pF	9.732800
100ns	0.0005V	0.002	5pF	5pF	5.593217
100ns	0.0005V	0.004	5pF	5pF	5.593217
100ns	0.0005V	0.006	5pF	5pF	5.593217
0ns	0.0025V	0.002	5pF	5pF	5.632369
0ns	0.0025V	0.004	5pF	5pF	5.632369
0ns	0.0025V	0.006	5pF	5pF	5.632369
2ns	0.0025V	0.002	5pF	5pF	5.632873
2ns	0.0025V	0.004	5pF	5pF	5.632369
2ns	0.0025V	0.006	5pF	5pF	5.632570
10ns	0.0025V	0.002	5pF	5pF	5.630739
10ns	0.0025V	0.004	5pF	5pF	5.630739
10ns	0.0025V	0.006	5pF	5pF	5.630739
100ns	0.0025V	0.002	5pF	5pF	5.604854
100ns	0.0025V	0.004	5pF	5pF	5.607957
100ns	0.0025V	0.006	5pF	5pF	5.607957
0ns	0.0050V	0.002	5pF	5pF	4.871788
0ns	0.0050V	0.004	5pF	5pF	4.869812
0ns	0.0050V	0.006	5pF	5pF	4.869488

2ns	0.0050V	0.002	5pF	5pF	4.875173
2ns	0.0050V	0.004	5pF	5pF	4.869488
2ns	0.0050V	0.006	5pF	5pF	4.869488
10ns	0.0050V	0.002	5pF	5pF	4.868131
10ns	0.0050V	0.004	5pF	5pF	4.868894
10ns	0.0050V	0.006	5pF	5pF	4.868894
100ns	0.0050V	0.002	5pF	5pF	5.474380
100ns	0.0050V	0.004	5pF	5pF	5.476410
100ns	0.0050V	0.006	5pF	5pF	5.475974
0ns	0.0075V	0.002	5pF	5pF	4.875173
0ns	0.0075V	0.004	5pF	5pF	4.873190
0ns	0.0075V	0.006	5pF	5pF	4.875173
2ns	0.0075V	0.002	5pF	5pF	4.875173
2ns	0.0075V	0.004	5pF	5pF	4.871788
2ns	0.0075V	0.006	5pF	5pF	4.871788
10ns	0.0075V	0.002	5pF	5pF	4.868733
10ns	0.0075V	0.004	5pF	5pF	4.867382
10ns	0.0075V	0.006	5pF	5pF	4.870558
100ns	0.0075V	0.002	5pF	5pF	4.798049
100ns	0.0075V	0.004	5pF	5pF	4.802105
100ns	0.0075V	0.006	5pF	5pF	4.809383
0ns	0.0100V	0.002	5pF	5pF	4.873190
0ns	0.0100V	0.004	5pF	5pF	4.873190
0ns	0.0100V	0.006	5pF	5pF	4.873190
2ns	0.0100V	0.002	5pF	5pF	4.867565
2ns	0.0100V	0.004	5pF	5pF	4.873190
2ns	0.0100V	0.006	5pF	5pF	4.873190
10ns	0.0100V	0.002	5pF	5pF	4.870723
10ns	0.0100V	0.004	5pF	5pF	4.870279
10ns	0.0100V	0.006	5pF	5pF	4.868907

100ns	0.0100V	0.002	5pF	5pF	4.829302
100ns	0.0100V	0.004	5pF	5pF	4.821348
100ns	0.0100V	0.006	5pF	5pF	4.855251
0ns	0.0005V	0.002	4.75pF	5pF	4.632544
0ns	0.0005V	0.002	4.85pF	5pF	8.457177
0ns	0.0005V	0.002	4.95pF	5pF	9.680163
0ns	0.0005V	0.002	5.05pF	5pF	5.484029
0ns	0.0005V	0.002	5.15pF	5pF	5.604754
0ns	0.0005V	0.002	5.25pF	5pF	4.979005
2ns	0.0005V	0.002	4.75pF	5pF	4.632544
2ns	0.0005V	0.002	4.85pF	5pF	8.457177
2ns	0.0005V	0.002	4.95pF	5pF	9.680163
2ns	0.0005V	0.002	5.05pF	5pF	5.609526
2ns	0.0005V	0.002	5.15pF	5pF	5.604754
2ns	0.0005V	0.002	5.25pF	5pF	4.978010
10ns	0.0005V	0.002	4.75pF	5pF	4.630074
10ns	0.0005V	0.002	4.85pF	5pF	8.635789
10ns	0.0005V	0.002	4.95pF	5pF	9.803815
10ns	0.0005V	0.002	5.05pF	5pF	5.613750
10ns	0.0005V	0.002	5.15pF	5pF	5.486325
10ns	0.0005V	0.002	5.25pF	5pF	4.955484
100ns	0.0005V	0.002	4.75pF	5pF	0.107213
100ns	0.0005V	0.002	4.85pF	5pF	7.993016
100ns	0.0005V	0.002	4.95pF	5pF	8.538538
100ns	0.0005V	0.002	5.05pF	5pF	5.459285
100ns	0.0005V	0.002	5.15pF	5pF	4.653154
100ns	0.0005V	0.002	5.25pF	5pF	5.062665
0ns	0.0005V	0.004	4.75pF	5pF	4.632544
0ns	0.0005V	0.004	4.85pF	5pF	8.457177
0ns	0.0005V	0.004	4.95pF	5pF	9.680163

0ns	0.0005V	0.004	5.05pF	5pF	9.663924
0ns	0.0005V	0.004	5.15pF	5pF	5.604754
0ns	0.0005V	0.004	5.25pF	5pF	4.979005
2ns	0.0005V	0.004	4.75pF	5pF	4.632544
2ns	0.0005V	0.004	4.85pF	5pF	8.457177
2ns	0.0005V	0.004	4.95pF	5pF	9.680163
2ns	0.0005V	0.004	5.05pF	5pF	5.609526
2ns	0.0005V	0.004	5.15pF	5pF	5.604754
2ns	0.0005V	0.004	5.25pF	5pF	4.978010
10ns	0.0005V	0.004	4.75pF	5pF	4.632544
10ns	0.0005V	0.004	4.85pF	5pF	8.457177
10ns	0.0005V	0.004	4.95pF	5pF	9.680163
10ns	0.0005V	0.004	5.05pF	5pF	9.663924
10ns	0.0005V	0.004	5.15pF	5pF	5.604754
10ns	0.0005V	0.004	5.25pF	5pF	4.979005
100ns	0.0005V	0.004	4.75pF	5pF	4.632544
100ns	0.0005V	0.004	4.85pF	5pF	8.457177
100ns	0.0005V	0.004	4.95pF	5pF	9.680163
100ns	0.0005V	0.004	5.05pF	5pF	5.609526
100ns	0.0005V	0.004	5.15pF	5pF	5.604754
100ns	0.0005V	0.004	5.25pF	5pF	4.978010
0ns	0.0005V	0.006	4.75pF	5pF	4.632544
0ns	0.0005V	0.006	4.85pF	5pF	8.457177
0ns	0.0005V	0.006	4.95pF	5pF	9.680163
0ns	0.0005V	0.006	5.05pF	5pF	5.484029
0ns	0.0005V	0.006	5.15pF	5pF	5.604754
0ns	0.0005V	0.006	5.25pF	5pF	4.979005
2ns	0.0005V	0.006	4.75pF	5pF	4.632544
2ns	0.0005V	0.006	4.85pF	5pF	8.457177
2ns	0.0005V	0.006	4.95pF	5pF	9.680163

2ns	0.0005V	0.006	5.05pF	5pF	5.479823
2ns	0.0005V	0.006	5.15pF	5pF	5.604754
2ns	0.0005V	0.006	5.25pF	5pF	4.978010
10ns	0.0005V	0.006	4.75pF	5pF	4.630074
10ns	0.0005V	0.006	4.85pF	5pF	8.635789
10ns	0.0005V	0.006	4.95pF	5pF	9.803815
10ns	0.0005V	0.006	5.05pF	5pF	5.466877
10ns	0.0005V	0.006	5.15pF	5pF	5.486325
10ns	0.0005V	0.006	5.25pF	5pF	4.955484
100ns	0.0005V	0.006	4.75pF	5pF	0.107213
100ns	0.0005V	0.006	4.85pF	5pF	7.993016
100ns	0.0005V	0.006	4.95pF	5pF	8.538538
100ns	0.0005V	0.006	5.05pF	5pF	5.432797
100ns	0.0005V	0.006	5.15pF	5pF	4.653154
100ns	0.0005V	0.006	5.25pF	5pF	5.062665
0ns	0.0025V	0.002	4.75pF	5pF	0.108234
0ns	0.0025V	0.002	4.85pF	5pF	8.582481
0ns	0.0025V	0.002	4.95pF	5pF	9.710750
0ns	0.0025V	0.002	5.05pF	5pF	5.470391
0ns	0.0025V	0.002	5.15pF	5pF	5.527621
0ns	0.0025V	0.002	5.25pF	5pF	5.035571
2ns	0.0025V	0.002	4.75pF	5pF	0.108234
2ns	0.0025V	0.002	4.85pF	5pF	8.450314
2ns	0.0025V	0.002	4.95pF	5pF	9.710750
2ns	0.0025V	0.002	5.05pF	5pF	5.474503
2ns	0.0025V	0.002	5.15pF	5pF	5.526869
2ns	0.0025V	0.002	5.25pF	5pF	5.054997
10ns	0.0025V	0.002	4.75pF	5pF	0.108429
10ns	0.0025V	0.002	4.85pF	5pF	8.340859
10ns	0.0025V	0.002	4.95pF	5pF	9.680168

10ns	0.0025V	0.002	5.05pF	5pF	5.454912
10ns	0.0025V	0.002	5.15pF	5pF	4.671652
10ns	0.0025V	0.002	5.25pF	5pF	5.138974
100ns	0.0025V	0.002	4.75pF	5pF	0.094060
100ns	0.0025V	0.002	4.85pF	5pF	5.467292
100ns	0.0025V	0.002	4.95pF	5pF	4.318789
100ns	0.0025V	0.002	5.05pF	5pF	5.413430
100ns	0.0025V	0.002	5.15pF	5pF	4.602861
100ns	0.0025V	0.002	5.25pF	5pF	5.066580
0ns	0.0025V	0.004	4.75pF	5pF	0.108234
0ns	0.0025V	0.004	4.85pF	5pF	8.582481
0ns	0.0025V	0.004	4.95pF	5pF	9.710750
0ns	0.0025V	0.004	5.05pF	5pF	5.471517
0ns	0.0025V	0.004	5.15pF	5pF	5.527621
0ns	0.0025V	0.004	5.25pF	5pF	5.051873
2ns	0.0025V	0.004	4.75pF	5pF	0.108193
2ns	0.0025V	0.004	4.85pF	5pF	8.582481
2ns	0.0025V	0.004	4.95pF	5pF	9.710750
2ns	0.0025V	0.004	5.05pF	5pF	5.474503
2ns	0.0025V	0.004	5.15pF	5pF	5.514693
2ns	0.0025V	0.004	5.25pF	5pF	5.051873
10ns	0.0025V	0.004	4.75pF	5pF	0.108429
10ns	0.0025V	0.004	4.85pF	5pF	6.444393
10ns	0.0025V	0.004	4.95pF	5pF	9.680168
10ns	0.0025V	0.004	5.05pF	5pF	5.454912
10ns	0.0025V	0.004	5.15pF	5pF	4.671652
10ns	0.0025V	0.004	5.25pF	5pF	5.138840
100ns	0.0025V	0.004	4.75pF	5pF	0.094060
100ns	0.0025V	0.004	4.85pF	5pF	5.466297
100ns	0.0025V	0.004	4.95pF	5pF	4.318789

100ns	0.0025V	0.004	5.05pF	5pF	5.413430
100ns	0.0025V	0.004	5.15pF	5pF	4.602861
100ns	0.0025V	0.004	5.25pF	5pF	5.066580
0ns	0.0025V	0.006	4.75pF	5pF	0.108234
0ns	0.0025V	0.006	4.85pF	5pF	8.582481
0ns	0.0025V	0.006	4.95pF	5pF	9.710750
0ns	0.0025V	0.006	5.05pF	5pF	5.474503
0ns	0.0025V	0.006	5.15pF	5pF	4.677231
0ns	0.0025V	0.006	5.25pF	5pF	5.051873
2ns	0.0025V	0.006	4.75pF	5pF	0.108366
2ns	0.0025V	0.006	4.85pF	5pF	8.479709
2ns	0.0025V	0.006	4.95pF	5pF	9.710750
2ns	0.0025V	0.006	5.05pF	5pF	5.474503
2ns	0.0025V	0.006	5.15pF	5pF	4.676992
2ns	0.0025V	0.006	5.25pF	5pF	5.051873
10ns	0.0025V	0.006	4.75pF	5pF	0.108137
10ns	0.0025V	0.006	4.85pF	5pF	6.446004
10ns	0.0025V	0.006	4.95pF	5pF	9.680163
10ns	0.0025V	0.006	5.05pF	5pF	5.471887
10ns	0.0025V	0.006	5.15pF	5pF	4.677465
10ns	0.0025V	0.006	5.25pF	5pF	5.135582
100ns	0.0025V	0.006	4.75pF	5pF	0.087398
100ns	0.0025V	0.006	4.85pF	5pF	5.466297
100ns	0.0025V	0.006	4.95pF	5pF	4.318789
100ns	0.0025V	0.006	5.05pF	5pF	5.413430
100ns	0.0025V	0.006	5.15pF	5pF	4.604524
100ns	0.0025V	0.006	5.25pF	5pF	5.066580

Tabla 2. Análisis paramétrico: ENOB