ANEXO IV: Tabla: Análisis paramétrico. Error INL

Tdelay	V_offset	Depend_offset	C1	C2	Error INL
0ns	0V	0	5pF	5pF	0.458658
2ns	0V	0	5pF	5pF	0.458658
10ns	0V	0	5pF	5pF	0.563960
100ns	0V	0	5pF	5pF	15.880831
1000ns	0V	0	5pF	5pF	35.687060
0ns	0V	0	4.75 pF	5pF	6.550538
0ns	0V	0	4.85pF	5pF	4.051613
0ns	0V	0	4.95pF	5pF	1.518280
0ns	0V	0	5.05pF	5pF	0.774045
0ns	0V	0	5.15pF	5pF	1.907601
0ns	0V	0	5.25pF	5pF	58.300853
2ns	0V	0	4.75pF	5pF	6.492473
2ns	0V	0	4.85pF	5pF	4.051613
2ns	0V	0	4.95pF	5pF	1.518280
2ns	0V	0	5.05pF	5pF	0.808157
2ns	0V	0	5.15pF	5pF	1.907601
2ns	0V	0	5.25pF	5pF	58.234260
10ns	0V	0	4.75pF	5pF	6.524731
10ns	0V	0	4.85pF	5pF	4.068817
10ns	0V	0	4.95pF	5pF	1.496774
10ns	0V	0	5.05pF	5pF	0.862885
10ns	0V	0	5.15pF	5pF	16.543190
10ns	0V	0	5.25pF	5pF	58.269040
100ns	0V	0	4.75pF	5pF	58.218094
100ns	0V	0	4.85pF	5pF	58.717316
100ns	0V	0	4.95pF	5pF	57.241453
100ns	0V	0	5.05pF	5pF	58.852280

100ns	**0V**	**0**	**5.15pF**	**5pF**	**60.655469**
100ns	**0V**	**0**	**5.25pF**	**5pF**	**58.218094**
1000ns	**0V**	**0**	**4.75pF**	**5pF**	**55.970782**
1000ns	**0V**	**0**	**4.85pF**	**5pF**	**57.803115**
1000ns	**0V**	**0**	**4.95pF**	**5pF**	**57.109900**
1000ns	**0V**	**0**	**5.05pF**	**5pF**	**50.181387**
1000ns	**0V**	**0**	**5.15pF**	**5pF**	**61.190879**
1000ns	**0V**	**0**	**5.25pF**	**5pF**	**58.759881**
0ns	**0.0005V**	**0**	**5pF**	**5pF**	**0.458658**
0ns	**0.0025V**	**0**	**5pF**	**5pF**	**2.041083**
0ns	**0.0050V**	**0**	**5pF**	**5pF**	**57.094624**
0ns	**0.0075V**	**0**	**5pF**	**5pF**	**57.920160**
0ns	**0.0100V**	**0**	**5pF**	**5pF**	**55.604894**
2ns	**0.0005V**	**0**	**5pF**	**5pF**	**0.458658**
2ns	**0.0025V**	**0**	**5pF**	**5pF**	**2.041083**
2ns	**0.0050V**	**0**	**5pF**	**5pF**	**56.957879**
2ns	**0.0075V**	**0**	**5pF**	**5pF**	**57.024175**
2ns	**0.0100V**	**0**	**5pF**	**5pF**	**58.707304**
10ns	**0.0005V**	**0**	**5pF**	**5pF**	**0.582796**
10ns	**0.0025V**	**0**	**5pF**	**5pF**	**2.214905**
10ns	**0.0050V**	**0**	**5pF**	**5pF**	**57.193178**
10ns	**0.0075V**	**0**	**5pF**	**5pF**	**57.193178**
10ns	**0.0100V**	**0**	**5pF**	**5pF**	**56.937115**
100ns	**0.0005V**	**0**	**5pF**	**5pF**	**5.942084**
100ns	**0.0025V**	**0**	**5pF**	**5pF**	**5.712570**
100ns	**0.0050V**	**0**	**5pF**	**5pF**	**59.887356**
100ns	**0.0075V**	**0**	**5pF**	**5pF**	**59.433741**
100ns	**0.0100V**	**0**	**5pF**	**5pF**	**59.311012**
1000ns	**0.0005V**	**0**	**5pF**	**5pF**	**34.721542**
1000ns	**0.0025V**	**0**	**5pF**	**5pF**	**59.685799**

1000ns	**0.0050V**	**0**	**5pF**	**5pF**	**56.783611**
1000ns	**0.0075V**	**0**	**5pF**	**5pF**	**55.153801**
1000ns	**0.0100V**	**0**	**5pF**	**5pF**	**53.613571**
0ns	**0.0005V**	**0.002**	**5pF**	**5pF**	**0.458658**
0ns	**0.0005V**	**0.004**	**5pF**	**5pF**	**0.458658**
0ns	**0.0005V**	**0.006**	**5pF**	**5pF**	**0.458658**
2ns	**0.0005V**	**0.002**	**5pF**	**5pF**	**0.458658**
2ns	**0.0005V**	**0.004**	**5pF**	**5pF**	**0.458658**
2ns	**0.0005V**	**0.006**	**5pF**	**5pF**	**0.458658**
10ns	**0.0005V**	**0.002**	**5pF**	**5pF**	**0.582796**
10ns	**0.0005V**	**0.004**	**5pF**	**5pF**	**0.582796**
10ns	**0.0005V**	**0.006**	**5pF**	**5pF**	**0.582796**
100ns	**0.0005V**	**0.002**	**5pF**	**5pF**	**5.942084**
100ns	**0.0005V**	**0.004**	**5pF**	**5pF**	**5.942084**
100ns	**0.0005V**	**0.006**	**5pF**	**5pF**	**5.942084**
0ns	**0.0025V**	**0.002**	**5pF**	**5pF**	**2.041083**
0ns	**0.0025V**	**0.004**	**5pF**	**5pF**	**2.041083**
0ns	**0.0025V**	**0.006**	**5pF**	**5pF**	**2.090323**
2ns	**0.0025V**	**0.002**	**5pF**	**5pF**	**2.041083**
2ns	**0.0025V**	**0.004**	**5pF**	**5pF**	**2.041083**
2ns	**0.0025V**	**0.006**	**5pF**	**5pF**	**2.090323**
10ns	**0.0025V**	**0.002**	**5pF**	**5pF**	**2.214905**
10ns	**0.0025V**	**0.004**	**5pF**	**5pF**	**2.214905**
10ns	**0.0025V**	**0.006**	**5pF**	**5pF**	**2.191694**
100ns	**0.0025V**	**0.002**	**5pF**	**5pF**	**16.232258**
100ns	**0.0025V**	**0.004**	**5pF**	**5pF**	**16.362329**
100ns	**0.0025V**	**0.006**	**5pF**	**5pF**	**16.402002**
0ns	**0.0050V**	**0.002**	**5pF**	**5pF**	**57.240712**
0ns	**0.0050V**	**0.004**	**5pF**	**5pF**	**57.240712**
0ns	**0.0050V**	**0.006**	**5pF**	**5pF**	**57.035595**

2ns	**0.0050V**	**0.002**	**5pF**	**5pF**	**56.957879**
2ns	**0.0050V**	**0.004**	**5pF**	**5pF**	**57.162996**
2ns	**0.0050V**	**0.006**	**5pF**	**5pF**	**57.240712**
10ns	**0.0050V**	**0.002**	**5pF**	**5pF**	**57.339266**
10ns	**0.0050V**	**0.004**	**5pF**	**5pF**	**57.322284**
10ns	**0.0050V**	**0.006**	**5pF**	**5pF**	**57.322284**
100ns	**0.0050V**	**0.002**	**5pF**	**5pF**	**59.909010**
100ns	**0.0050V**	**0.004**	**5pF**	**5pF**	**58.658287**
100ns	**0.0050V**	**0.006**	**5pF**	**5pF**	**58.705006**
0ns	**0.0075V**	**0.002**	**5pF**	**5pF**	**57.135855**
0ns	**0.0075V**	**0.004**	**5pF**	**5pF**	**57.160920**
0ns	**0.0075V**	**0.006**	**5pF**	**5pF**	**57.135855**
2ns	**0.0075V**	**0.002**	**5pF**	**5pF**	**57.083204**
2ns	**0.0075V**	**0.004**	**5pF**	**5pF**	**57.160920**
2ns	**0.0075V**	**0.006**	**5pF**	**5pF**	**57.135855**
10ns	**0.0075V**	**0.002**	**5pF**	**5pF**	**57.193178**
10ns	**0.0075V**	**0.004**	**5pF**	**5pF**	**57.155803**
10ns	**0.0075V**	**0.006**	**5pF**	**5pF**	**57.113756**
100ns	**0.0075V**	**0.002**	**5pF**	**5pF**	**59.441379**
100ns	**0.0075V**	**0.004**	**5pF**	**5pF**	**58.235298**
100ns	**0.0075V**	**0.006**	**5pF**	**5pF**	**56.410456**
0ns	**0.0100V**	**0.002**	**5pF**	**5pF**	**56.972785**
0ns	**0.0100V**	**0.004**	**5pF**	**5pF**	**56.972785**
0ns	**0.0100V**	**0.006**	**5pF**	**5pF**	**56.972785**
2ns	**0.0100V**	**0.002**	**5pF**	**5pF**	**56.920133**
2ns	**0.0100V**	**0.004**	**5pF**	**5pF**	**56.972785**
2ns	**0.0100V**	**0.006**	**5pF**	**5pF**	**56.972785**
10ns	**0.0100V**	**0.002**	**5pF**	**5pF**	**56.957063**
10ns	**0.0100V**	**0.004**	**5pF**	**5pF**	**56.933704**
10ns	**0.0100V**	**0.006**	**5pF**	**5pF**	**58.663404**

100ns	**0.0100V**	**0.002**	**5pF**	**5pF**	**59.296626**
100ns	**0.0100V**	**0.004**	**5pF**	**5pF**	**57.524435**
100ns	**0.0100V**	**0.006**	**5pF**	**5pF**	**59.932814**
0ns	**0.0005V**	**0.002**	**4.75pF**	**5pF**	**6.430108**
0ns	**0.0005V**	**0.002**	**4.85pF**	**5pF**	**3.954839**
0ns	**0.0005V**	**0.002**	**4.95pF**	**5pF**	**1.516129**
0ns	**0.0005V**	**0.002**	**5.05pF**	**5pF**	**0.776863**
0ns	**0.0005V**	**0.002**	**5.15pF**	**5pF**	**1.931257**
0ns	**0.0005V**	**0.002**	**5.25pF**	**5pF**	**58.231072**
2ns	**0.0005V**	**0.002**	**4.75pF**	**5pF**	**6.430108**
2ns	**0.0005V**	**0.002**	**4.85pF**	**5pF**	**3.959140**
2ns	**0.0005V**	**0.002**	**4.95pF**	**5pF**	**1.518280**
2ns	**0.0005V**	**0.002**	**5.05pF**	**5pF**	**0.776863**
2ns	**0.0005V**	**0.002**	**5.15pF**	**5pF**	**1.931257**
2ns	**0.0005V**	**0.002**	**5.25pF**	**5pF**	**58.231072**
10ns	**0.0005V**	**0.002**	**4.75pF**	**5pF**	**6.505376**
10ns	**0.0005V**	**0.002**	**4.85pF**	**5pF**	**3.993548**
10ns	**0.0005V**	**0.002**	**4.95pF**	**5pF**	**61.086170**
10ns	**0.0005V**	**0.002**	**5.05pF**	**5pF**	**0.819874**
10ns	**0.0005V**	**0.002**	**5.15pF**	**5pF**	**2.004746**
10ns	**0.0005V**	**0.002**	**5.25pF**	**5pF**	**58.355951**
100ns	**0.0005V**	**0.002**	**4.75pF**	**5pF**	**6.950538**
100ns	**0.0005V**	**0.002**	**4.85pF**	**5pF**	**58.429466**
100ns	**0.0005V**	**0.002**	**4.95pF**	**5pF**	**56.515907**
100ns	**0.0005V**	**0.002**	**5.05pF**	**5pF**	**58.608528**
100ns	**0.0005V**	**0.002**	**5.15pF**	**5pF**	**61.158695**
100ns	**0.0005V**	**0.002**	**5.25pF**	**5pF**	**58.606748**
0ns	**0.0005V**	**0.004**	**4.75pF**	**5pF**	**6.430108**
0ns	**0.0005V**	**0.004**	**4.85pF**	**5pF**	**3.954839**
0ns	**0.0005V**	**0.004**	**4.95pF**	**5pF**	**1.516129**

0ns	**0.0005V**	**0.004**	**5.05pF**	**5pF**	**0.776863**
0ns	**0.0005V**	**0.004**	**5.15pF**	**5pF**	**1.931257**
0ns	**0.0005V**	**0.004**	**5.25pF**	**5pF**	**58.231072**
2ns	**0.0005V**	**0.004**	**4.75pF**	**5pF**	**6.430108**
2ns	**0.0005V**	**0.004**	**4.85pF**	**5pF**	**3.959140**
2ns	**0.0005V**	**0.004**	**4.95pF**	**5pF**	**1.518280**
2ns	**0.0005V**	**0.004**	**5.05pF**	**5pF**	**0.887060**
2ns	**0.0005V**	**0.004**	**5.15pF**	**5pF**	**1.931257**
2ns	**0.0005V**	**0.004**	**5.25pF**	**5pF**	**58.231072**
10ns	**0.0005V**	**0.004**	**4.75pF**	**5pF**	**6.505376**
10ns	**0.0005V**	**0.004**	**4.85pF**	**5pF**	**3.993548**
10ns	**0.0005V**	**0.004**	**4.95pF**	**5pF**	**61.086170**
10ns	**0.0005V**	**0.004**	**5.05pF**	**5pF**	**0.969003**
10ns	**0.0005V**	**0.004**	**5.15pF**	**5pF**	**2.004746**
10ns	**0.0005V**	**0.004**	**5.25pF**	**5pF**	**58.355951**
100ns	**0.0005V**	**0.004**	**4.75pF**	**5pF**	**6.950538**
100ns	**0.0005V**	**0.004**	**4.85pF**	**5pF**	**58.429466**
100ns	**0.0005V**	**0.004**	**4.95pF**	**5pF**	**56.515907**
100ns	**0.0005V**	**0.004**	**5.05pF**	**5pF**	**57.446867**
100ns	**0.0005V**	**0.004**	**5.15pF**	**5pF**	**61.158695**
100ns	**0.0005V**	**0.004**	**5.25pF**	**5pF**	**58.606748**
0ns	**0.0005V**	**0.006**	**4.75pF**	**5pF**	**6.430108**
0ns	**0.0005V**	**0.006**	**4.85pF**	**5pF**	**3.954839**
0ns	**0.0005V**	**0.006**	**4.95pF**	**5pF**	**1.516129**
0ns	**0.0005V**	**0.006**	**5.05pF**	**5pF**	**0.7768663**
0ns	**0.0005V**	**0.006**	**5.15pF**	**5pF**	**1.931257**
0ns	**0.0005V**	**0.006**	**5.25pF**	**5pF**	**58.231072**
2ns	**0.0005V**	**0.006**	**4.75pF**	**5pF**	**6.430108**
2ns	**0.0005V**	**0.006**	**4.85pF**	**5pF**	**3.959140**
2ns	**0.0005V**	**0.006**	**4.95pF**	**5pF**	**1.518280**

2ns	**0.0005V**	**0.006**	**5.05pF**	**5pF**	**0.776863**
2ns	**0.0005V**	**0.006**	**5.15pF**	**5pF**	**1.931257**
2ns	**0.0005V**	**0.006**	**5.25pF**	**5pF**	**58.231072**
10ns	**0.0005V**	**0.006**	**4.75pF**	**5pF**	**6.505376**
10ns	**0.0005V**	**0.006**	**4.85pF**	**5pF**	**3.993548**
10ns	**0.0005V**	**0.006**	**4.95pF**	**5pF**	**61.086170**
10ns	**0.0005V**	**0.006**	**5.05pF**	**5pF**	**0.969003**
10ns	**0.0005V**	**0.006**	**5.15pF**	**5pF**	**2.004746**
10ns	**0.0005V**	**0.006**	**5.25pF**	**5pF**	**58.355951**
100ns	**0.0005V**	**0.006**	**4.75pF**	**5pF**	**6.950538**
100ns	**0.0005V**	**0.006**	**4.85pF**	**5pF**	**58.429466**
100ns	**0.0005V**	**0.006**	**4.95pF**	**5pF**	**56.515907**
100ns	**0.0005V**	**0.006**	**5.05pF**	**5pF**	**58.608528**
100ns	**0.0005V**	**0.006**	**5.15pF**	**5pF**	**61.158695**
100ns	**0.0005V**	**0.006**	**5.25pF**	**5pF**	**58.606748**
0ns	**0.0025V**	**0.002**	**4.75pF**	**5pF**	**6.279570**
0ns	**0.0025V**	**0.002**	**4.85pF**	**5pF**	**4.002151**
0ns	**0.0025V**	**0.002**	**4.95pF**	**5pF**	**60.606229**
0ns	**0.0025V**	**0.002**	**5.05pF**	**5pF**	**14.559214**
0ns	**0.0025V**	**0.002**	**5.15pF**	**5pF**	**53.077419**
0ns	**0.0025V**	**0.002**	**5.25pF**	**5pF**	**58.274898**
2ns	**0.0025V**	**0.002**	**4.75pF**	**5pF**	**6.279570**
2ns	**0.0025V**	**0.002**	**4.85pF**	**5pF**	**58.693956**
2ns	**0.0025V**	**0.002**	**4.95pF**	**5pF**	**60.606229**
2ns	**0.0025V**	**0.002**	**5.05pF**	**5pF**	**0.829811**
2ns	**0.0025V**	**0.002**	**5.15pF**	**5pF**	**53.077419**
2ns	**0.0025V**	**0.002**	**5.25pF**	**5pF**	**58.222840**
10ns	**0.0025V**	**0.002**	**4.75pF**	**5pF**	**6.262366**
10ns	**0.0025V**	**0.002**	**4.85pF**	**5pF**	**58.685873**
10ns	**0.0025V**	**0.002**	**4.95pF**	**5pF**	**58.940527**

10ns	**0.0025V**	**0.002**	**5.05pF**	**5pF**	**0.969967**
10ns	**0.0025V**	**0.002**	**5.15pF**	**5pF**	**53.101075**
10ns	**0.0025V**	**0.002**	**5.25pF**	**5pF**	**58.500927**
100ns	**0.0025V**	**0.002**	**4.75pF**	**5pF**	**59.493585**
100ns	**0.0025V**	**0.002**	**4.85pF**	**5pF**	**58.428550**
100ns	**0.0025V**	**0.002**	**4.95pF**	**5pF**	**57.256581**
100ns	**0.0025V**	**0.002**	**5.05pF**	**5pF**	**58.965072**
100ns	**0.0025V**	**0.002**	**5.15pF**	**5pF**	**60.644420**
100ns	**0.0025V**	**0.002**	**5.25pF**	**5pF**	**58.325473**
0ns	**0.0025V**	**0.004**	**4.75pF**	**5pF**	**6.279570**
0ns	**0.0025V**	**0.004**	**4.85pF**	**5pF**	**4.002151**
0ns	**0.0025V**	**0.004**	**4.95pF**	**5pF**	**60.561216**
0ns	**0.0025V**	**0.004**	**5.05pF**	**5pF**	**14.559214**
0ns	**0.0025V**	**0.004**	**5.15pF**	**5pF**	**53.045161**
0ns	**0.0025V**	**0.004**	**5.25pF**	**5pF**	**58.216982**
2ns	**0.0025V**	**0.004**	**4.75pF**	**5pF**	**6.296774**
2ns	**0.0025V**	**0.004**	**4.85pF**	**5pF**	**58.693956**
2ns	**0.0025V**	**0.004**	**4.95pF**	**5pF**	**60.606229**
2ns	**0.0025V**	**0.004**	**5.05pF**	**5pF**	**14.456804**
2ns	**0.0025V**	**0.004**	**5.15pF**	**5pF**	**53.077419**
2ns	**0.0025V**	**0.004**	**5.25pF**	**5pF**	**58.103967**
10ns	**0.0025V**	**0.004**	**4.75pF**	**5pF**	**6.262366**
10ns	**0.0025V**	**0.004**	**4.85pF**	**5pF**	**58.673563**
10ns	**0.0025V**	**0.004**	**4.95pF**	**5pF**	**58.919985**
10ns	**0.0025V**	**0.004**	**5.05pF**	**5pF**	**0.969967**
10ns	**0.0025V**	**0.004**	**5.15pF**	**5pF**	**53.118280**
10ns	**0.0025V**	**0.004**	**5.25pF**	**5pF**	**58.500927**
100ns	**0.0025V**	**0.004**	**4.75pF**	**5pF**	**59.493585**
100ns	**0.0025V**	**0.004**	**4.85pF**	**5pF**	**58.428550**
100ns	**0.0025V**	**0.004**	**4.95pF**	**5pF**	**57.256581**

100ns	**0.0025V**	**0.004**	**5.05pF**	**5pF**	**58.714720**
100ns	**0.0025V**	**0.004**	**5.15pF**	**5pF**	**60.644420**
100ns	**0.0025V**	**0.004**	**5.25pF**	**5pF**	**58.325473**
0ns	**0.0025V**	**0.006**	**4.75pF**	**5pF**	**6.279570**
0ns	**0.0025V**	**0.006**	**4.85pF**	**5pF**	**4.002151**
0ns	**0.0025V**	**0.006**	**4.95pF**	**5pF**	**60.561216**
0ns	**0.0025V**	**0.006**	**5.05pF**	**5pF**	**14.559214**
0ns	**0.0025V**	**0.006**	**5.15pF**	**5pF**	**53.045161**
0ns	**0.0025V**	**0.006**	**5.25pF**	**5pF**	**58.216982**
2ns	**0.0025V**	**0.006**	**4.75pF**	**5pF**	**6.279570**
2ns	**0.0025V**	**0.006**	**4.85pF**	**5pF**	**58.693956**
2ns	**0.0025V**	**0.006**	**4.95pF**	**5pF**	**60.606229**
2ns	**0.0025V**	**0.006**	**5.05pF**	**5pF**	**14.451761**
2ns	**0.0025V**	**0.006**	**5.15pF**	**5pF**	**53.077419**
2ns	**0.0025V**	**0.006**	**5.25pF**	**5pF**	**58.103967**
10ns	**0.0025V**	**0.006**	**4.75pF**	**5pF**	**6.262366**
10ns	**0.0025V**	**0.006**	**4.85pF**	**5pF**	**58.609863**
10ns	**0.0025V**	**0.006**	**4.95pF**	**5pF**	**58.919985**
10ns	**0.0025V**	**0.006**	**5.05pF**	**5pF**	**0.900704**
10ns	**0.0025V**	**0.006**	**5.15pF**	**5pF**	**53.118280**
10ns	**0.0025V**	**0.006**	**5.25pF**	**5pF**	**58.669559**
100ns	**0.0025V**	**0.006**	**4.75pF**	**5pF**	**59.493585**
100ns	**0.0025V**	**0.006**	**4.85pF**	**5pF**	**58.450204**
100ns	**0.0025V**	**0.006**	**4.95pF**	**5pF**	**57.256581**
100ns	**0.0025V**	**0.006**	**5.05pF**	**5pF**	**58.965072**
100ns	**0.0025V**	**0.006**	**5.15pF**	**5pF**	**60.644420**
100ns	**0.0025V**	**0.006**	**5.25pF**	**5pF**	**58.406600**

Tabla 1. Análisis paramétrico: error INL