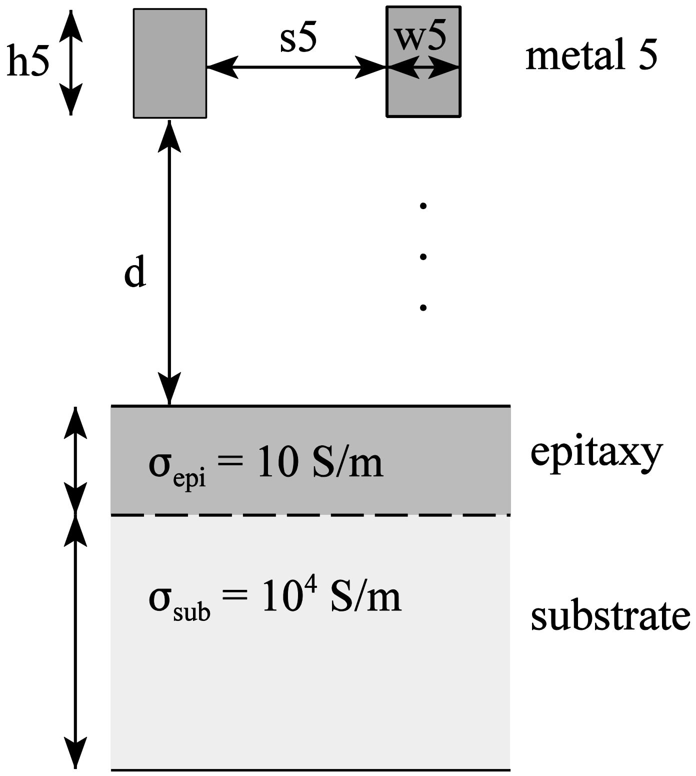
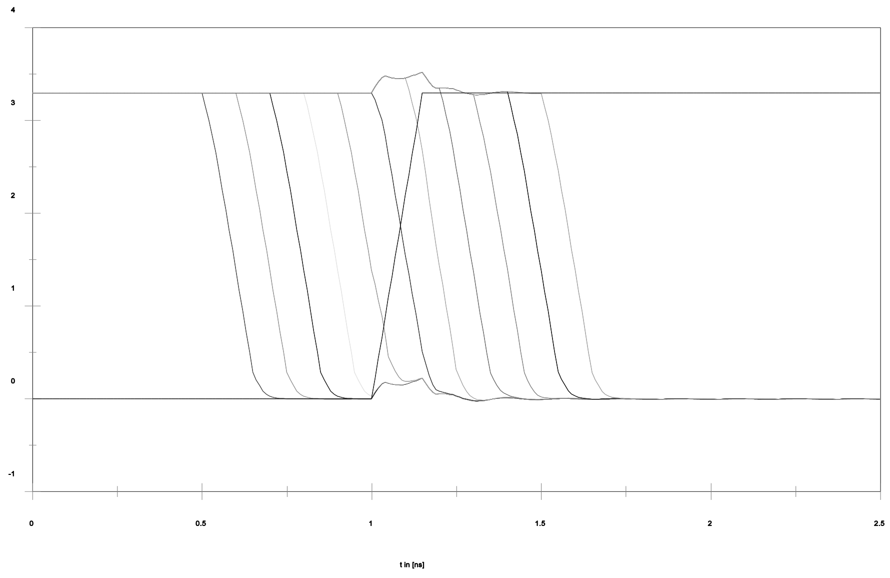
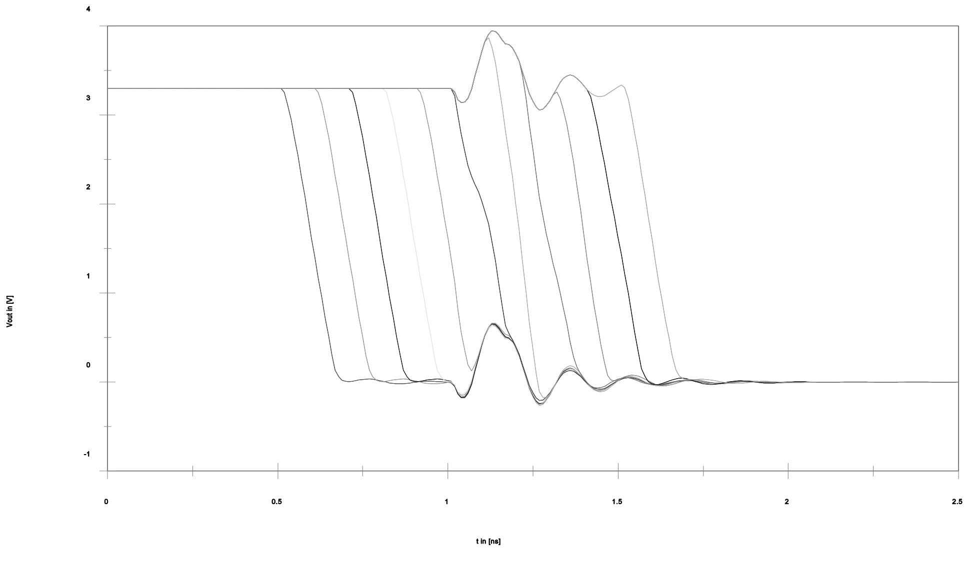
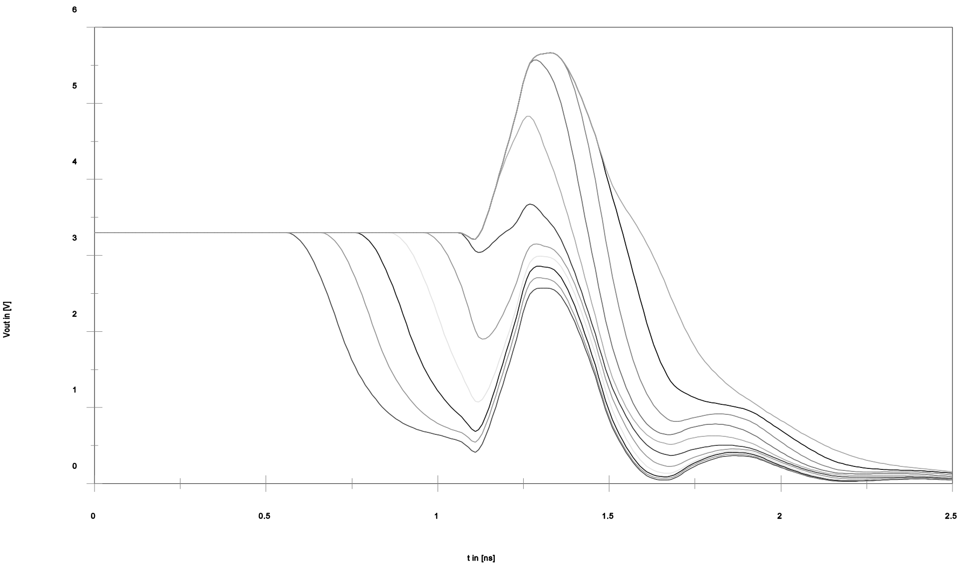
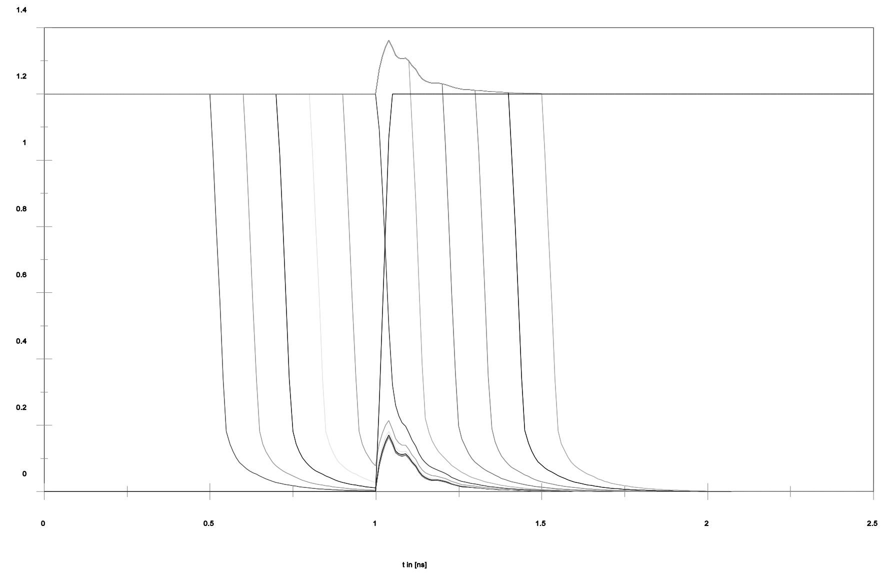
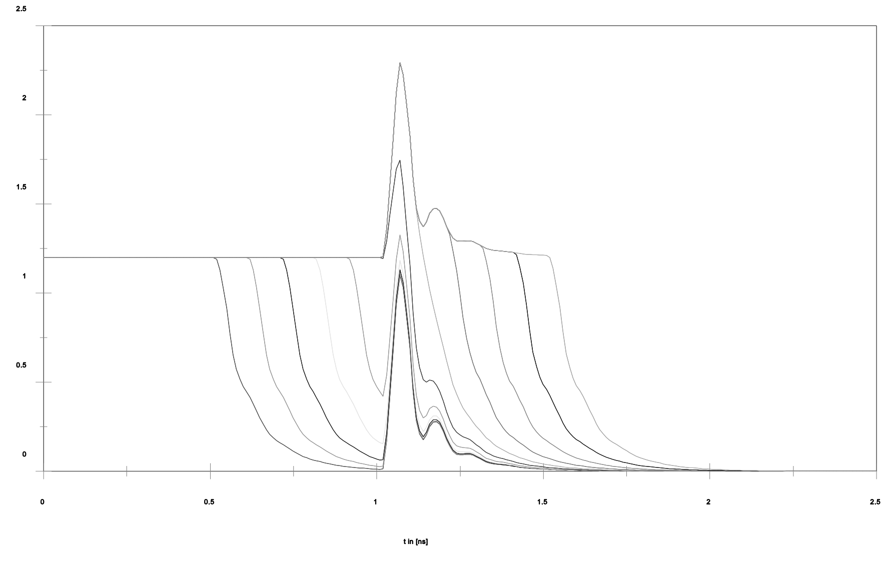

h5
s5
w5
metal 5
d
σ_{epi} = 10 S/m
epitaxy
σ_{sub} = 10^4 S/m
substrate

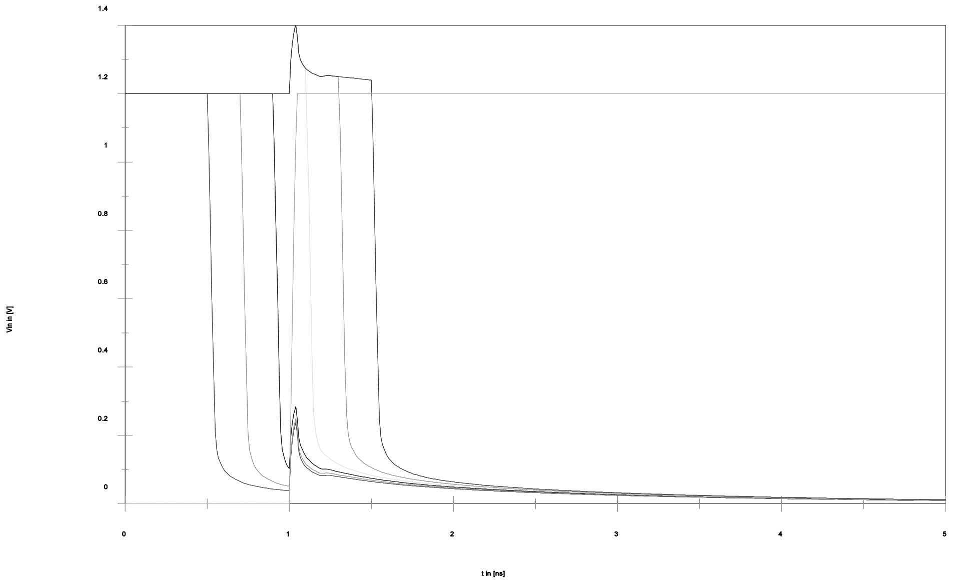

4
3
2
1
0
-1
Vin in [V]
0
0.5
1
1.5
2
2.5
t in [ns]

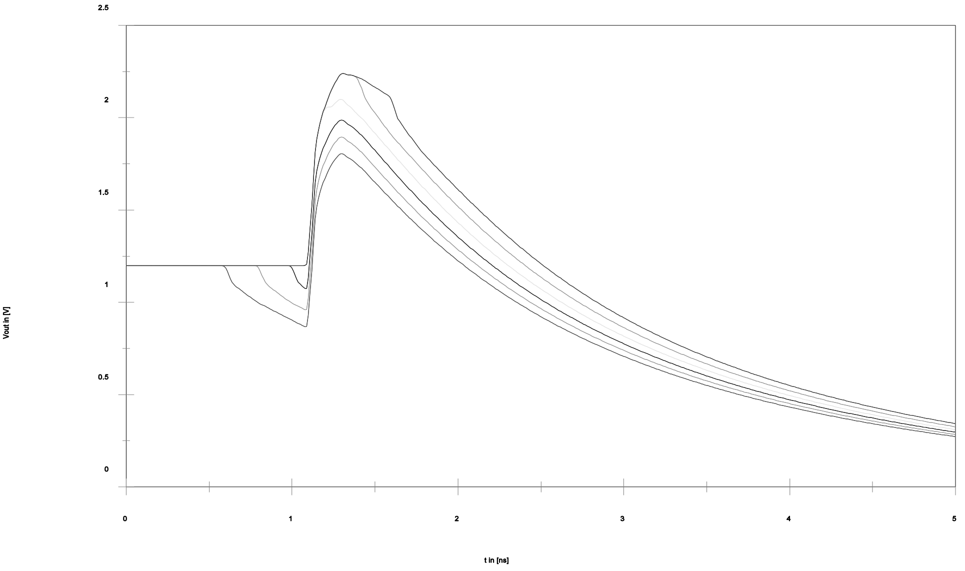

4
3
2
1
0
-1
Vout in [V]
0
0.5
1
1.5
2
2.5
t in [ns]

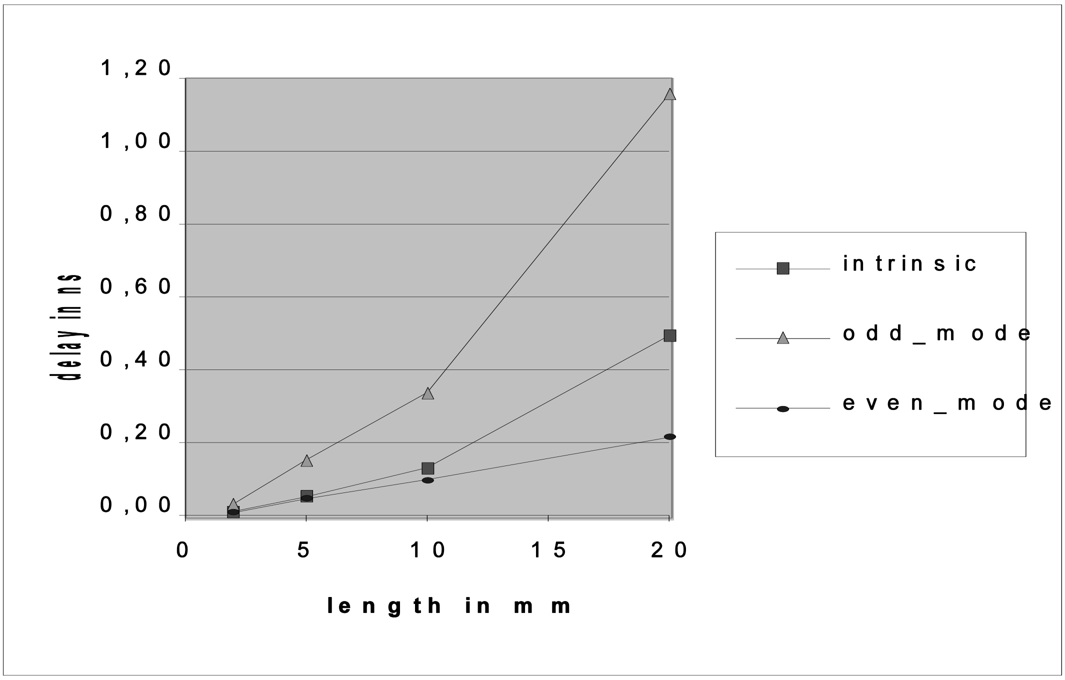

6
5
4
3
2
1
0
Vout in [V]
0
0.5
1
1.5
2
2.5
t in [ns]

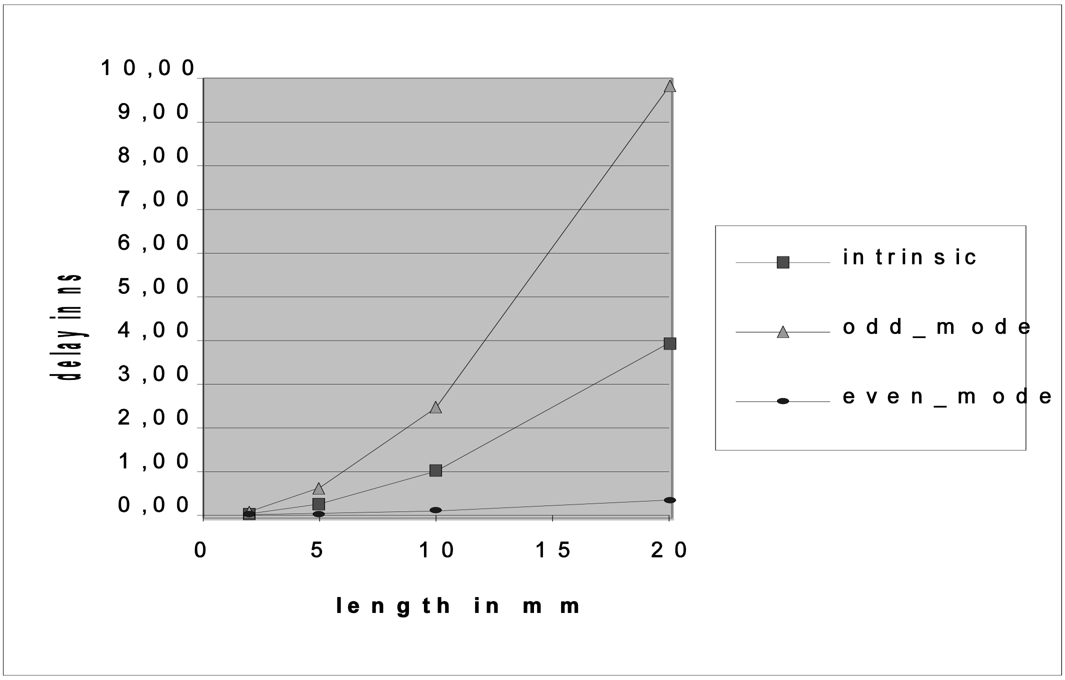

1.4
1.2
1
0.8
0.6
0.4
0.2
0
Vin in [V]
0
0.5
1
1.5
2
2.5
t in [ns]


2.5
2
1.5
1
0.5
0
Vout in [V]
0
0.5
1
1.5
2
2.5
t in [ns]


1.4
1.2
1
0.8
0.6
0.4
0.2
0
Vin in [V]
0
1
2
3
4
5
t in [ns]


2.5
2
1.5
1
0.5
0
Vout in [V]
0
1
2
3
4
5
t in [ns]


1,20
1,00
0,80
0,60
0,40
0,20
0,00
delay in ns
0
5
10
15
20
length in mm
intrinsic
odd_mode
even_mode


10,00
9,00
8,00
7,00
6,00
5,00
4,00
3,00
2,00
1,00
0,00
delay in ns
0
5
10
15
20
length in mm
intrinsic
odd_mode
even_mode