FIGURE 1. Accelerator circuit **(a)** during charge-up and **(b)** after switching.

FIGURE 2. Illustrating the geometry of a single period.

FIGURE 3. Illustrating the forward voltage employed for the coupled-cavity simulations, and typical waveforms for the reverse and the input coupler cell voltages

FIGURE 4. This plot illustrates the maximum (over time) of each cell voltage for: a lossless structure. ($Q_w \approx \infty$); a constant-impedance (CZ) line with $Q_w \approx 2700$; a constant-gradient (CG) line with $Q_w \approx 2700$. The dashed curve corresponds to the constant-gradient line with beam-loading.

FIGURE 5. Accelerator matched to standard waveguide.

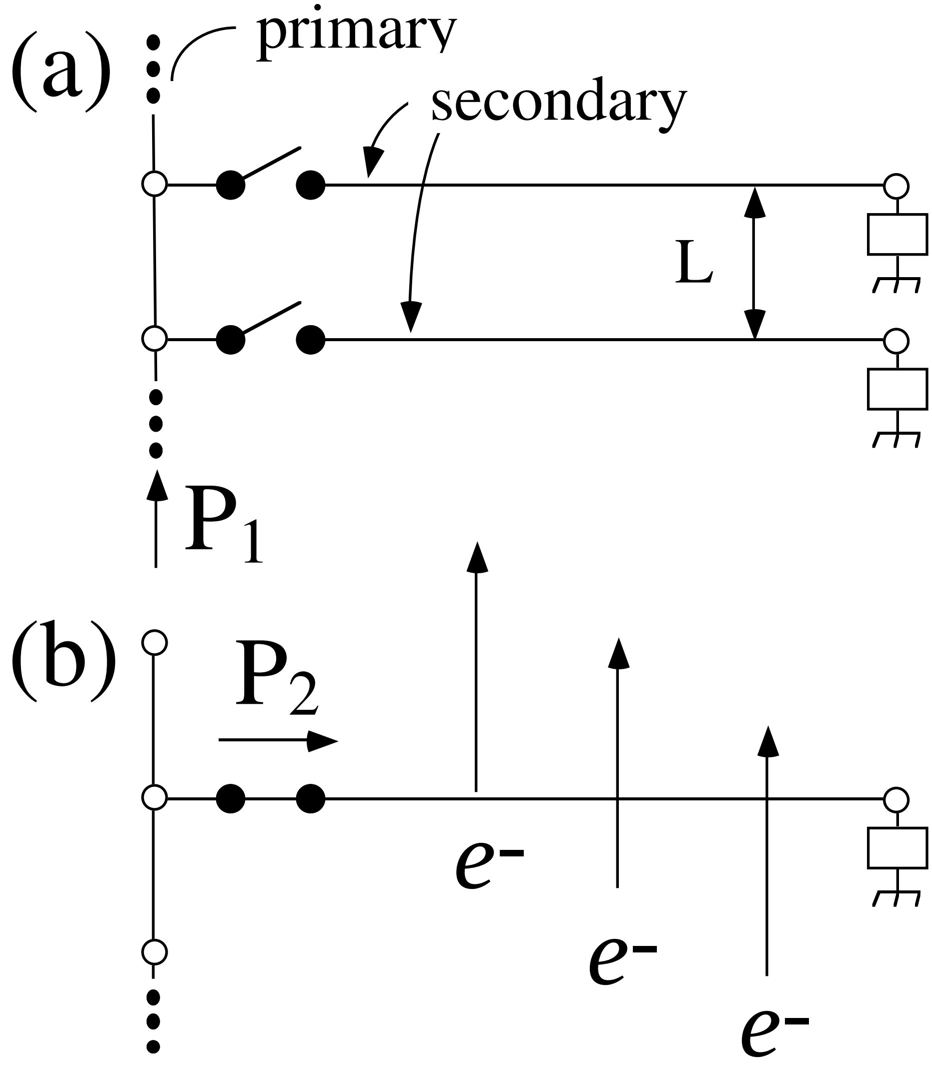
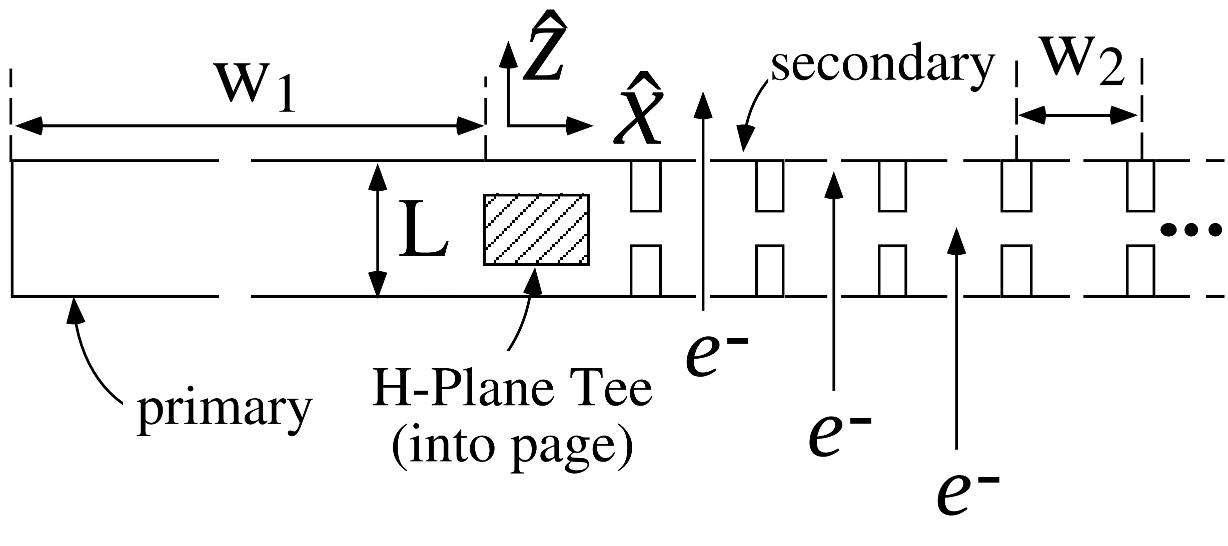
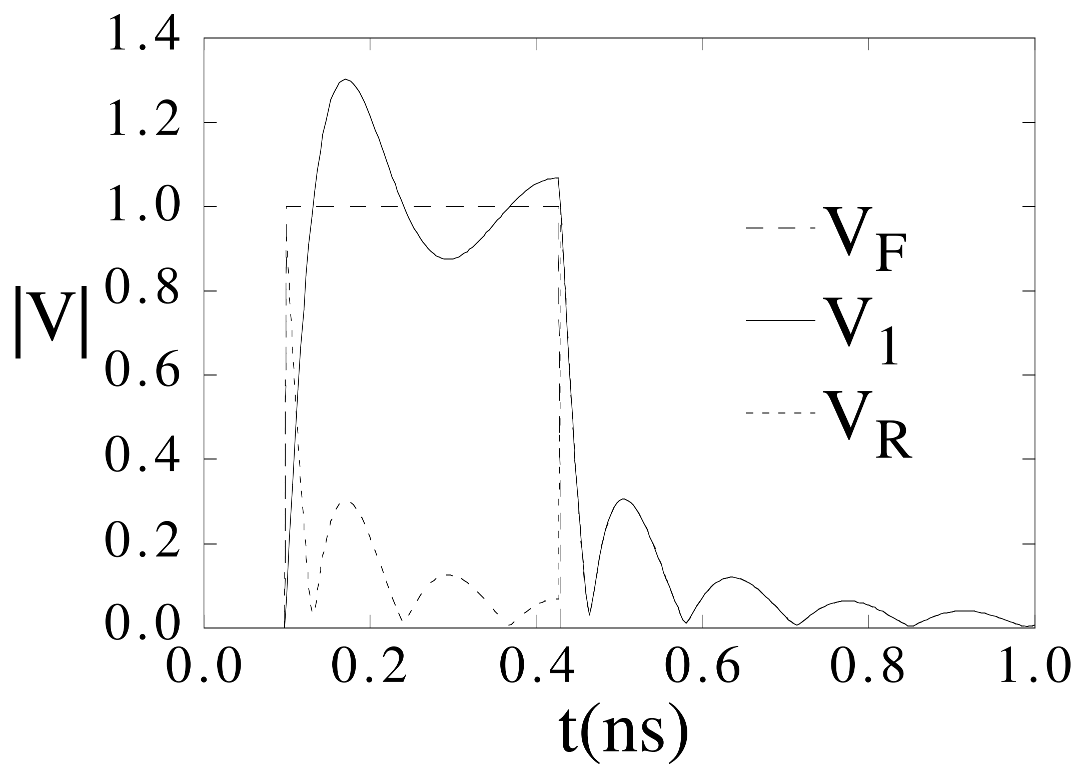


FIG. 1



w1
$\hat{z}$
$\hat{x}$
secondary
w2
L
primary
H-Plane Tee
(into page)
e^-
e^-
e^-

FIG. 2



1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
|V|
0.0
0.2
0.4
0.6
0.8
1.0
t(ns)
V_F
V_1
V_R

FIG. 3

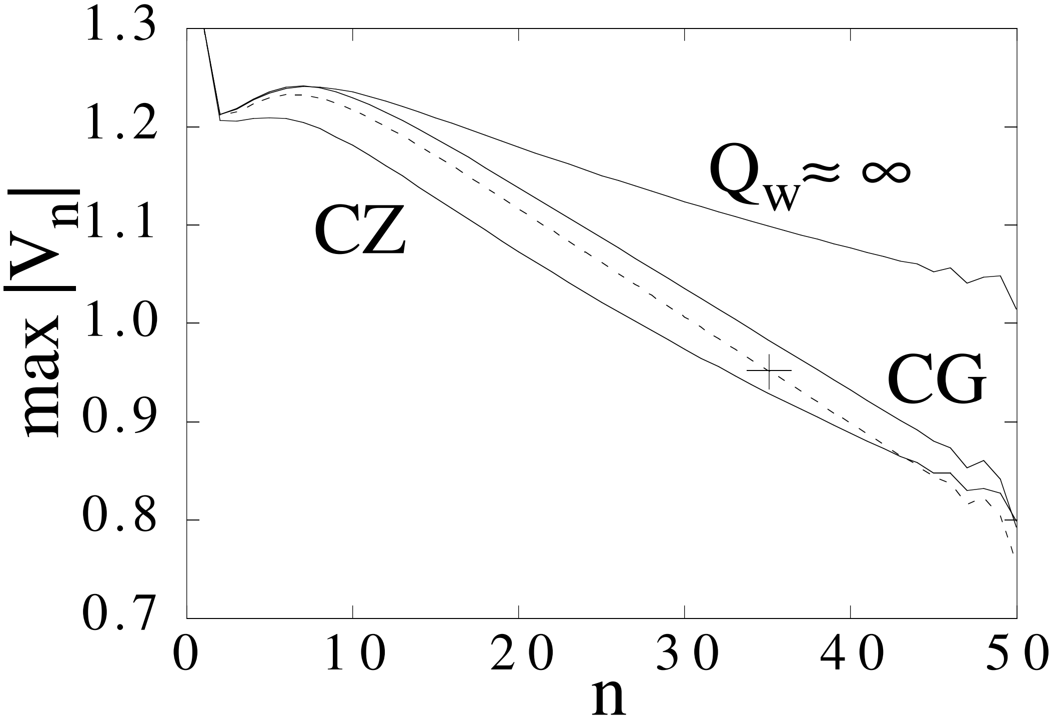


FIG. 4

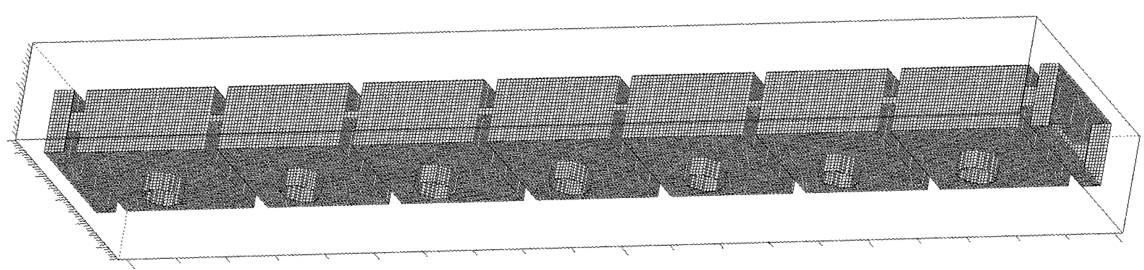


FIG. 5