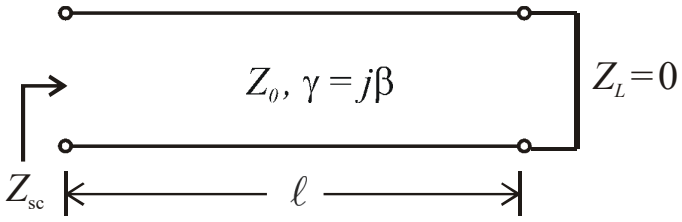
Lossless Transmission Line Circuit Elements

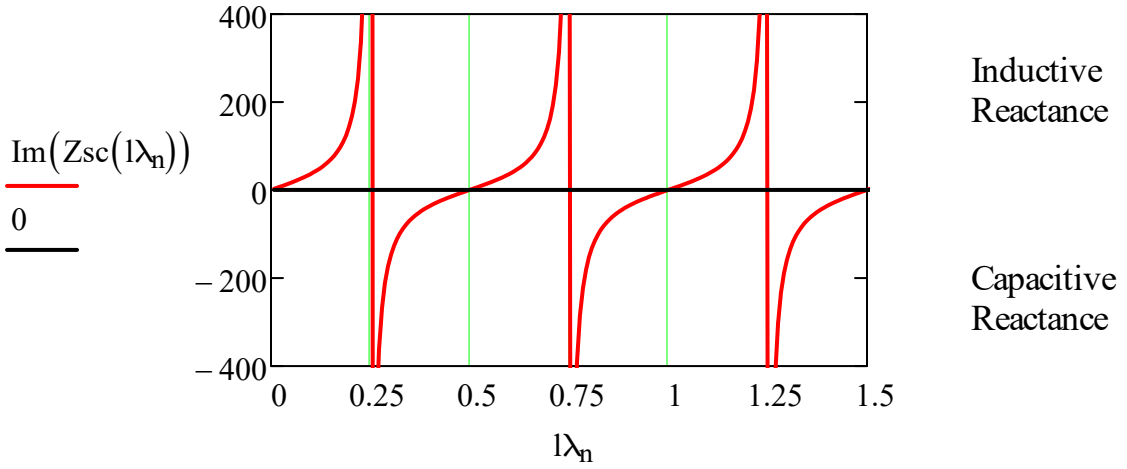
$Z0 := 50 \ \Omega$ $\quad Zsc(x) := j \cdot Z0 \cdot \tan(2 \cdot \pi \cdot x)$ $\quad Zoc(x) := \dfrac{Z0}{(j \cdot \tan(2 \cdot \pi \cdot x))}$

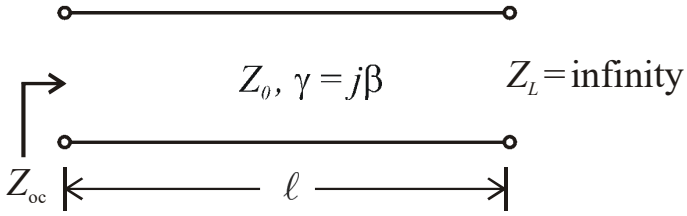
$n := 1 .. 200$ $\quad \delta := 0.01$ $\quad l\lambda_n := \dfrac{1.5 + \delta}{200} \cdot n$

Note: $\ell/\lambda = 0.25$ is equivalent to an electrical length $\beta\ell = \pi/2 = 90$ deg.



Short Circuit Stub





Open Circuit Stub