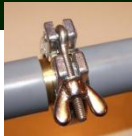


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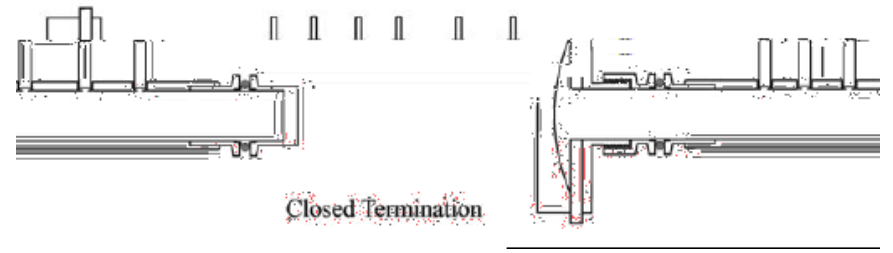


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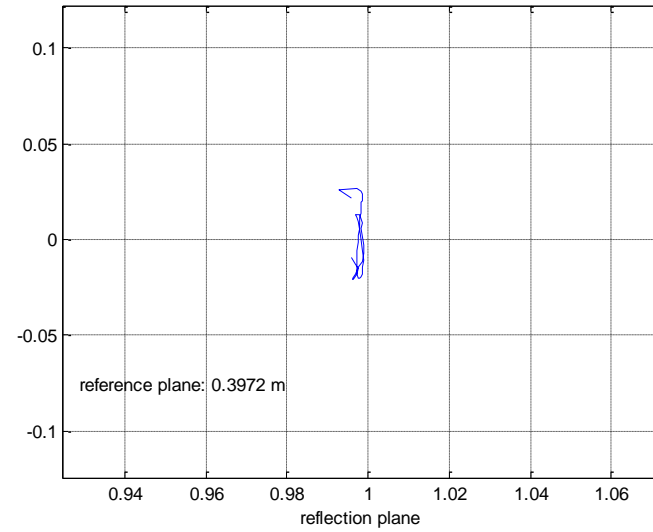
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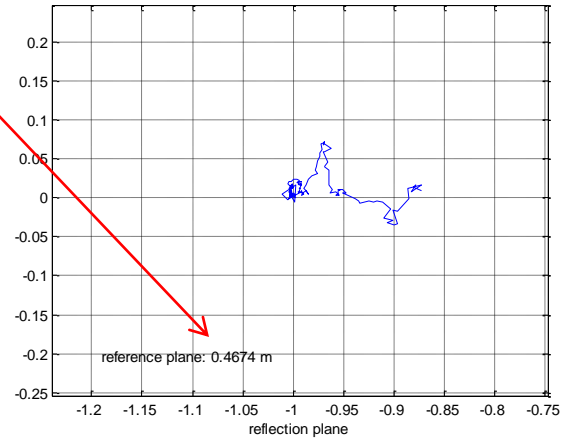
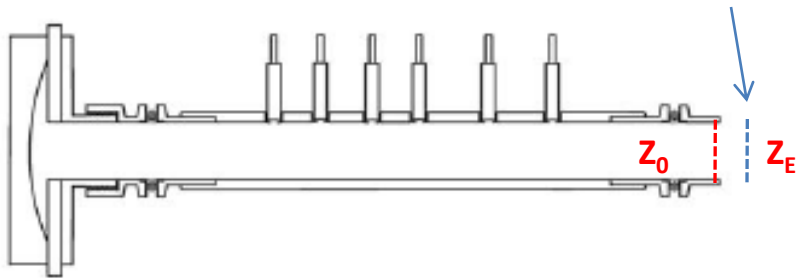


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$$p(x) = Ae^{-ikx} + Be^{ikx}$$

$$\tilde{R} = \frac{B}{A} e^{2ikx}$$

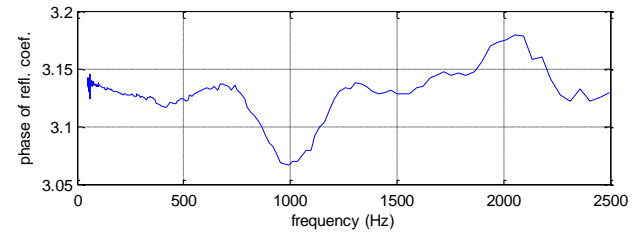
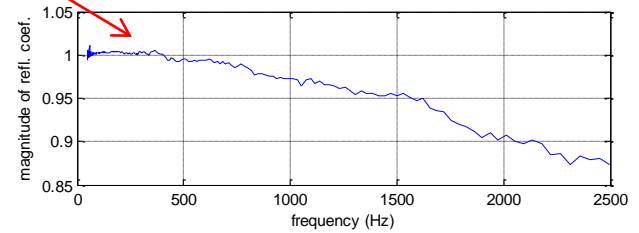


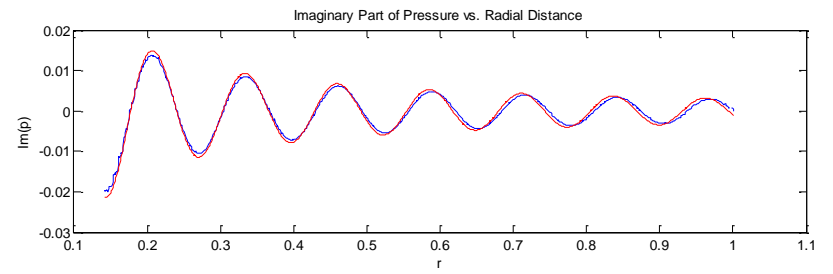
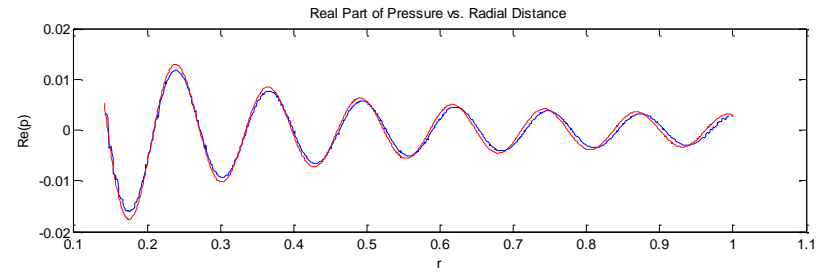
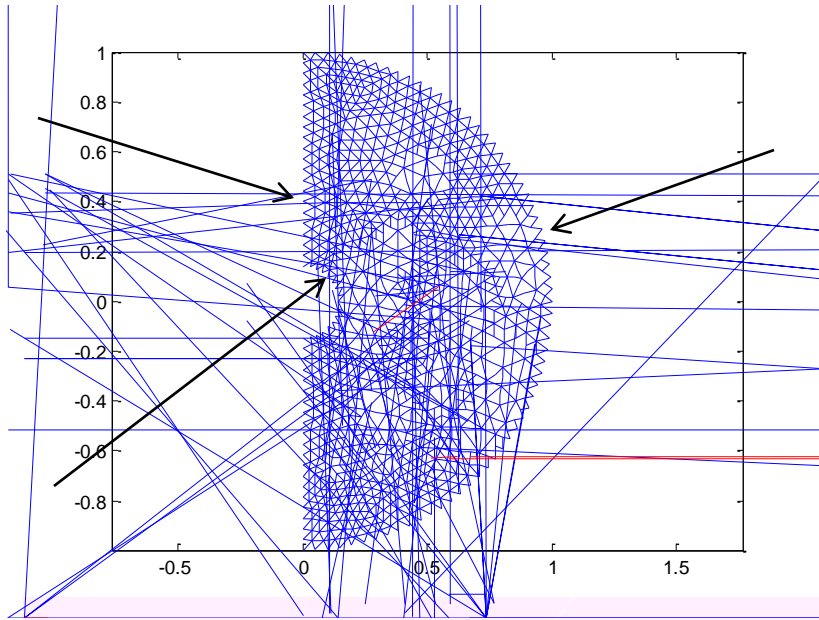


$$Z = \frac{p(x,t)}{U(x,t)} \sim \frac{V(x,t)}{I(x,t)}$$

$$\tilde{R} = \frac{B}{A} e^{2ikx} = \frac{Z_E - Z_0}{Z_E + Z_0}$$

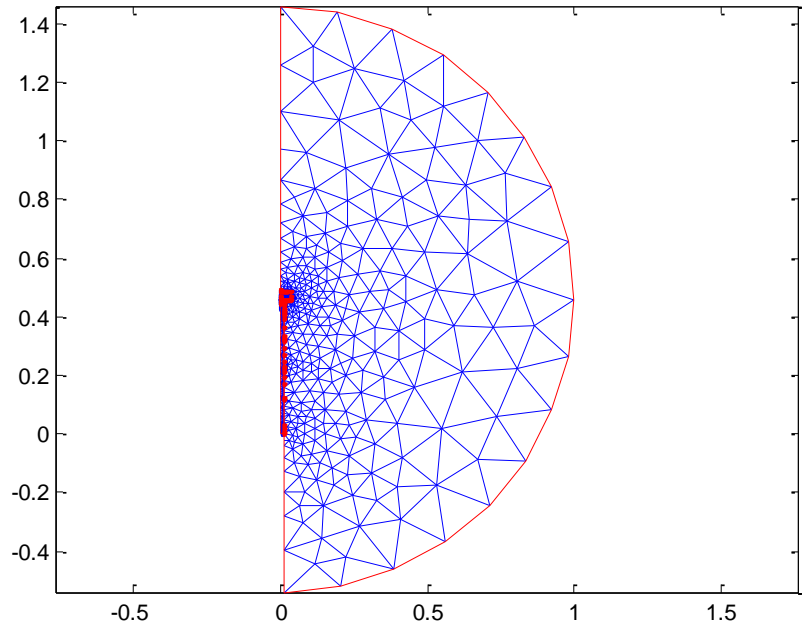
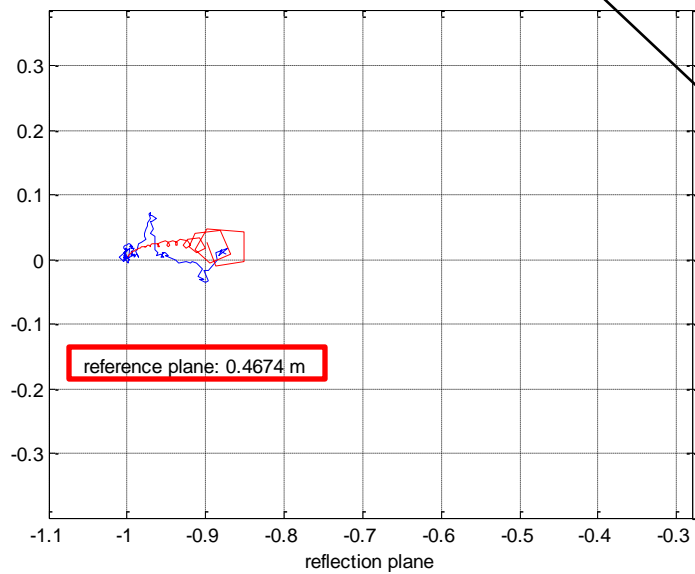
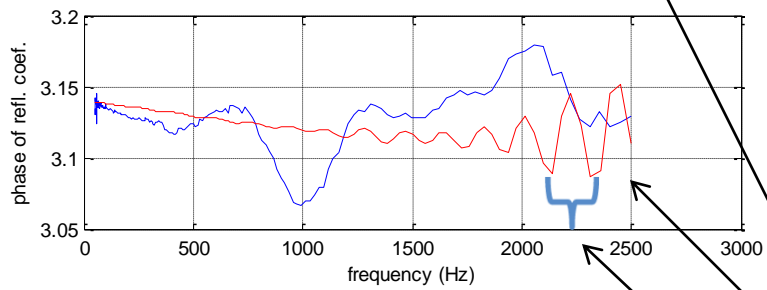
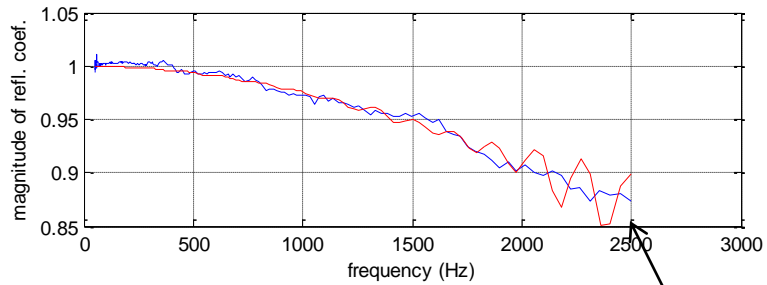
$$\begin{aligned} \infty &\rightarrow R = 1 \\ &\rightarrow R = -1 \end{aligned}$$

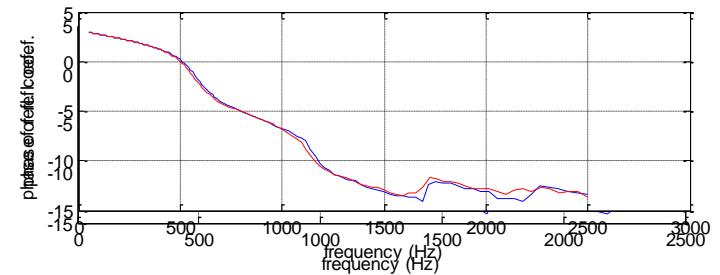
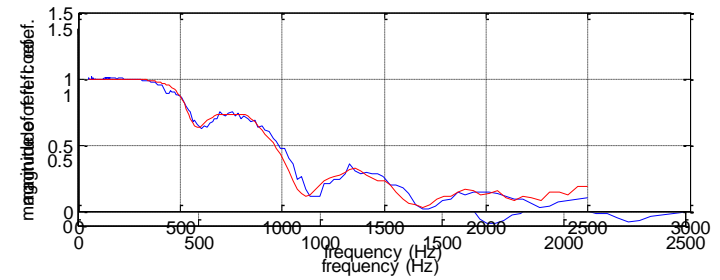
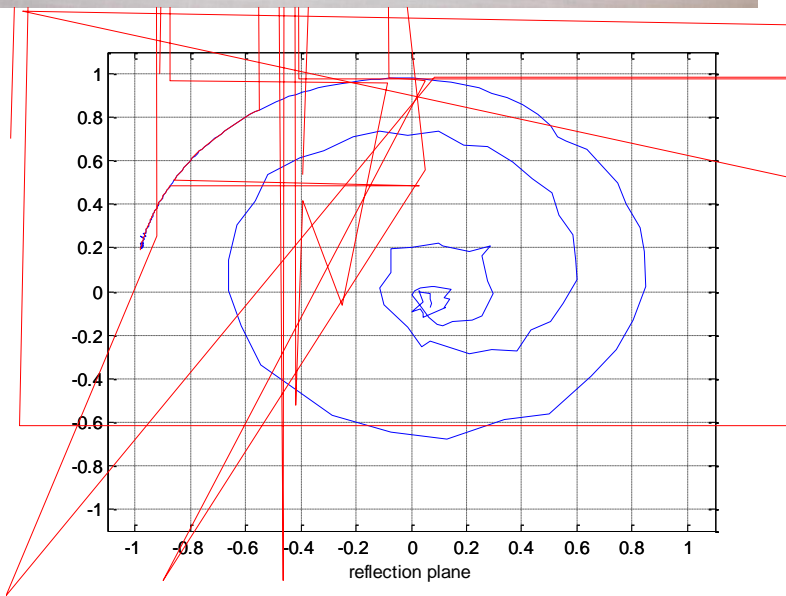
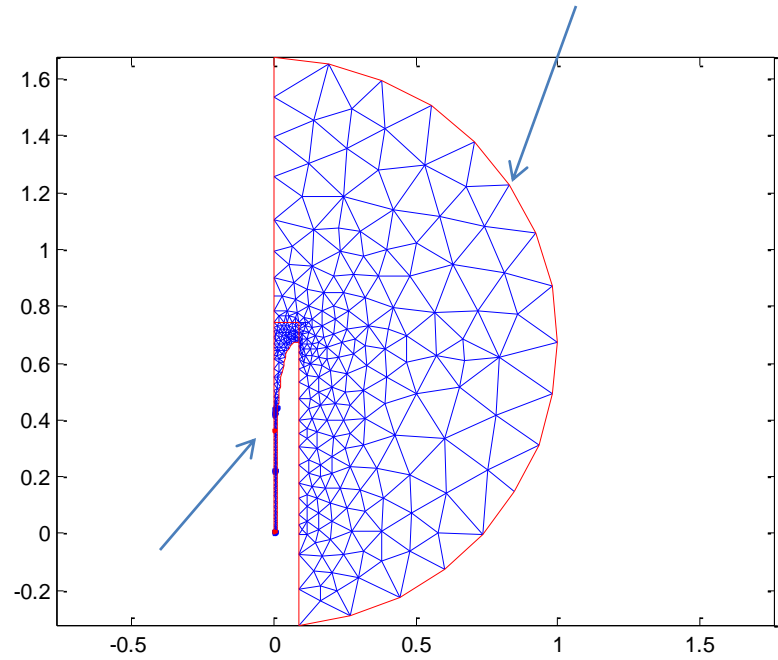




$$p = p_0 \frac{e^{-ikr}}{r}$$

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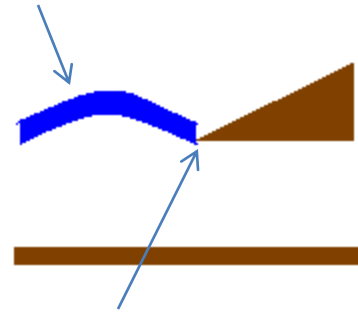
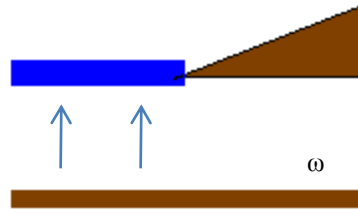






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