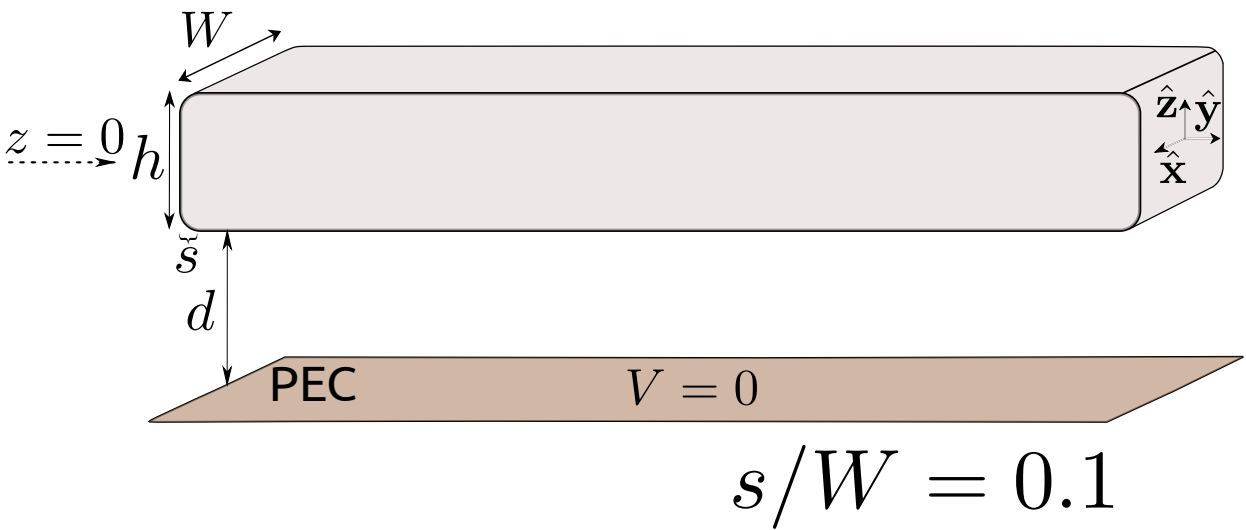# Electron-coupling-to-WG: Potential near rectangular nanowire

Analytical:

$$\frac{V(z)}{V_0} = \frac{\log(z/d)}{\log[(h/2)/d]}$$

add factor including the geometry? could not find it yesterday

$s/W = 0.1$

Potential: Numerical vs analytical (dashed)