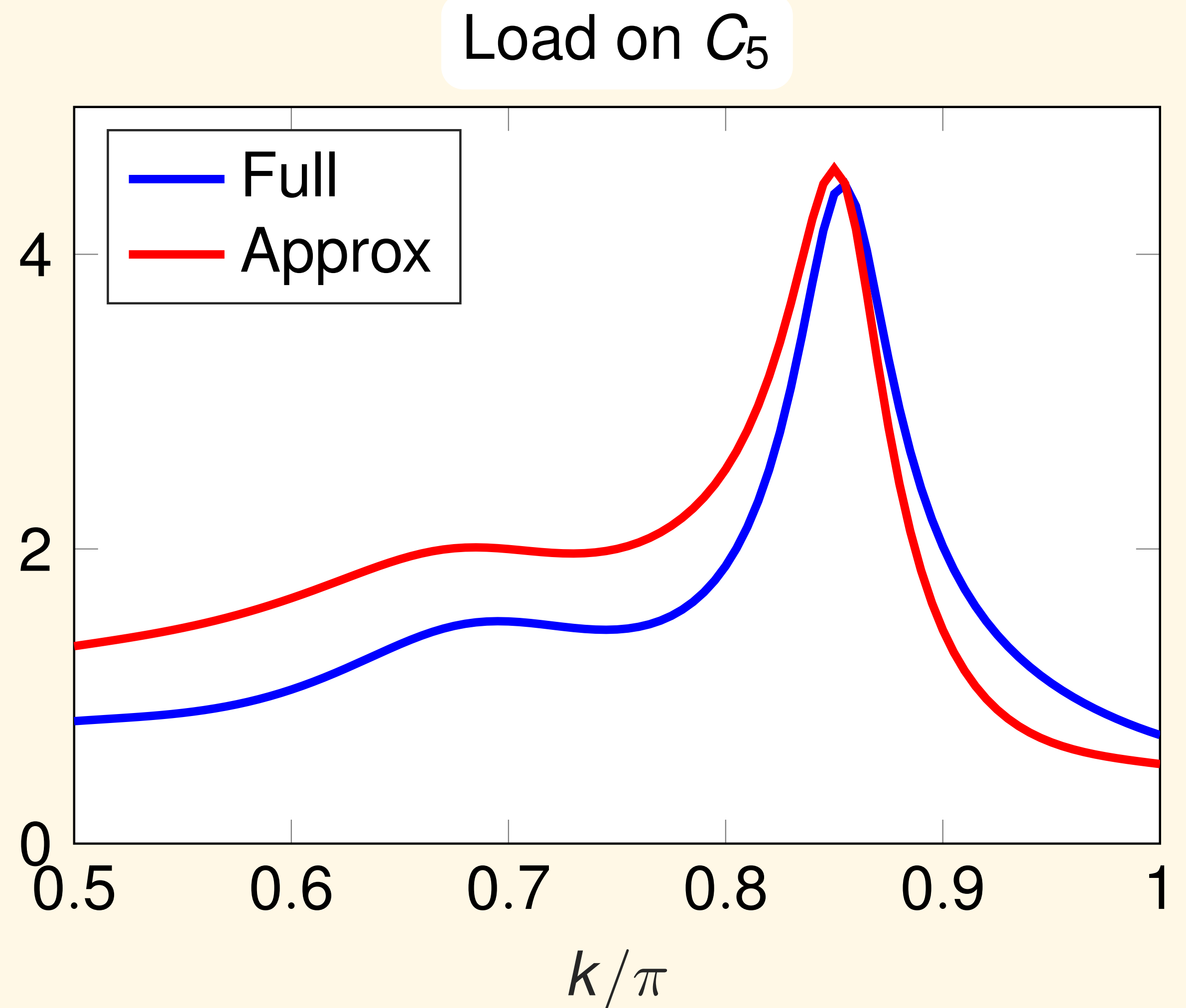# Rayleigh–Bloch waves create resonance (below cut-off)

Example: $a = 0.25$; $N = 9$; $\psi = 0$

- Use transfer operator to decompose directional spectrum in each channel.

- Retain Rayleigh–Bloch components only.

- Use to approximate cylinder loads.

Load on C_5

no resonances

$k = 2.00\pi$

$\lambda = 0.2$

k/π