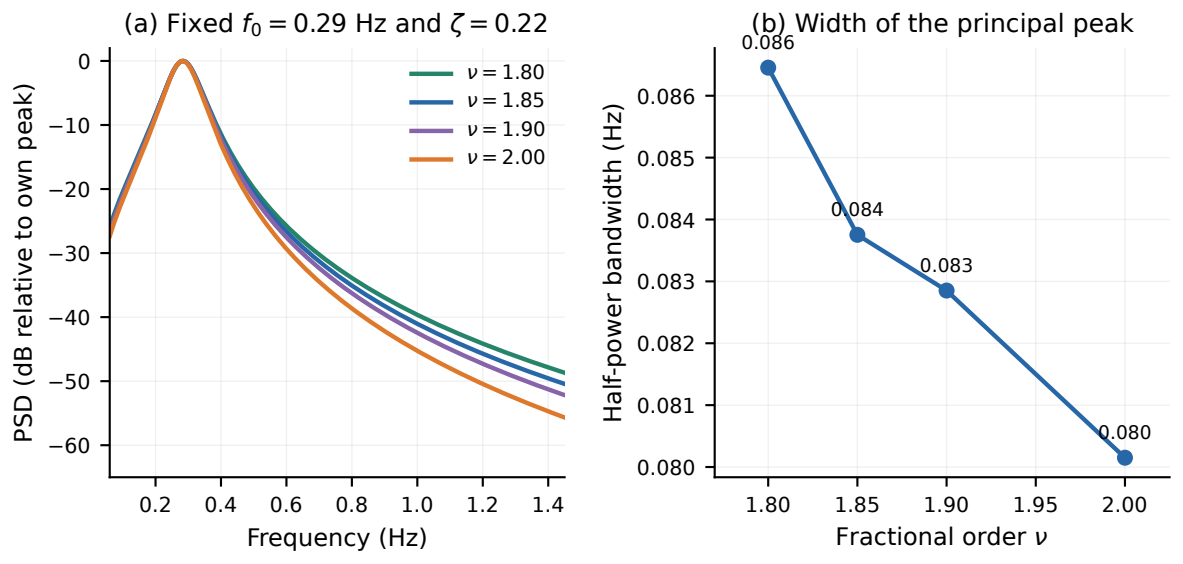

(a) Fixed $f_0 = 0.29$ Hz and $\zeta = 0.22$
PSD (dB relative to own peak)
Frequency (Hz)
$\nu = 1.80$
$\nu = 1.85$
$\nu = 1.90$
$\nu = 2.00$
0
−10
−20
−30
−40
−50
−60
0.2
0.4
0.6
0.8
1.0
1.2
1.4
(b) Width of the principal peak
Half-power bandwidth (Hz)
Fractional order $\nu$
0.086
0.084
0.083
0.080
0.086
0.085
0.084
0.083
0.082
0.081
0.080
1.80
1.85
1.90
1.95
2.00