Fundamental Frequency vs Theoretical K-term (Fitted per L_0)

Box Length, η and Speed of Sound
- L_0=7.5 (η=0.524), c_s=7.04, SPT=5.31, Henderson=5.45, Roman,2002: 5.99±0.09
- L_0=10.0 (η=0.393), c_s=4.13, SPT=3.53, Henderson=3.59, Roman,2002: 3.78±0.08
- L_0=15.0 (η=0.262), c_s=2.54, SPT=2.50, Henderson=2.53, Roman,2002: 2.61±0.03
- L_0=20.0 (η=0.196), c_s=2.59, SPT=2.15, Henderson=2.16, Roman,2002: 2.20±0.02
- L_0=25.0 (η=0.157), c_s=2.08, SPT=1.97, Henderson=1.97, Roman,2002: 2.10±0.02
- L_0=30.0 (η=0.131), c_s=1.24, SPT=1.86, Henderson=1.86, Roman,2002: 1.89±0.02
- L_0=35.0 (η=0.112), c_s=1.45, SPT=1.78, Henderson=1.79, Roman,2002: 1.81±0.02
- L_0=50.0 (η=0.079), c_s=1.52, SPT=1.66, Henderson=1.66, Roman,2002: nan±nan

Peak Frequency [Hz]

$\frac{K}{2\pi(L_0-1)}$