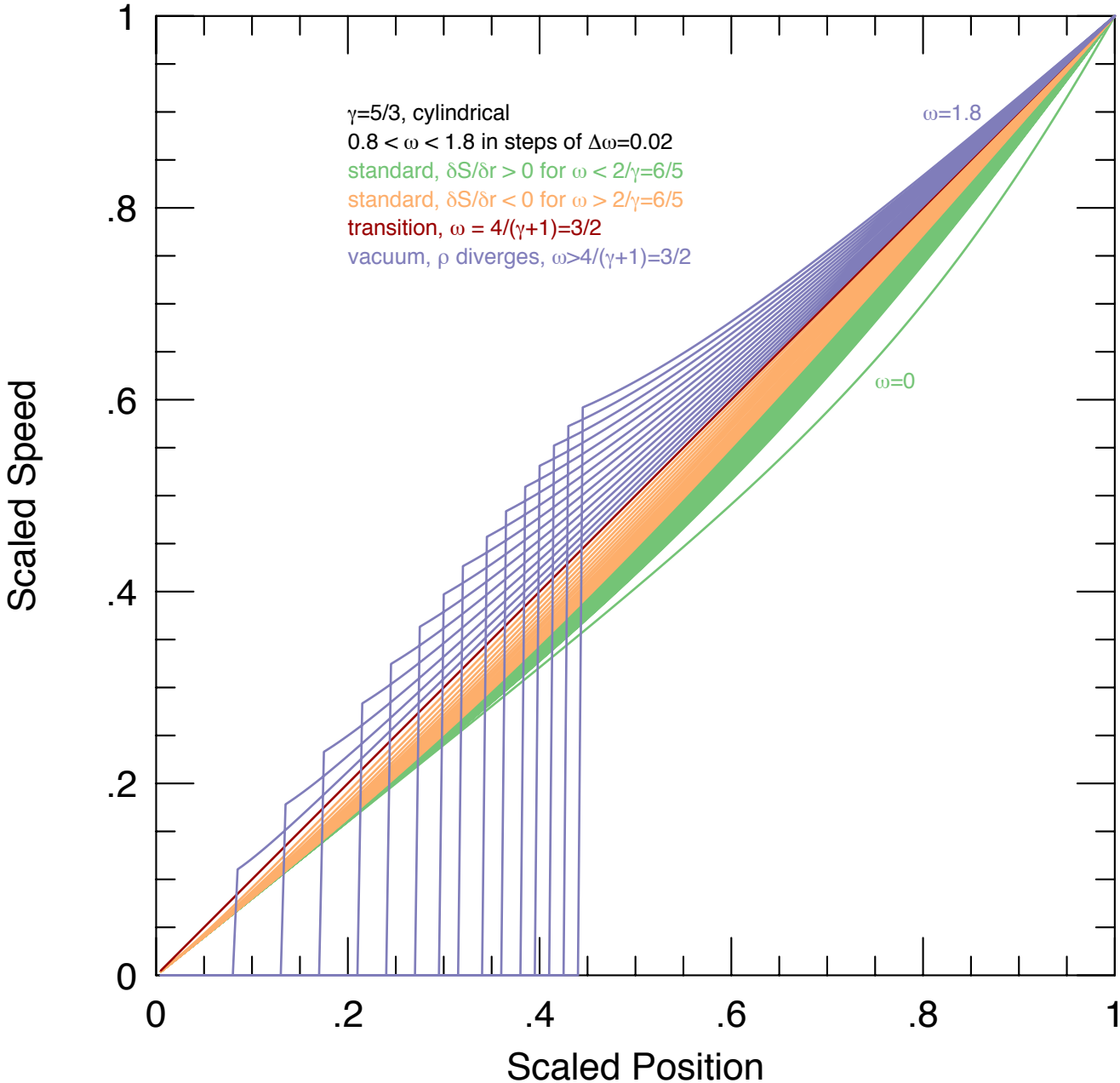
γ=5/3, cylindrical
0.8 < ω < 1.8 in steps of Δω=0.02
standard, δS/δr > 0 for ω < 2/γ=6/5
standard, δS/δr < 0 for ω > 2/γ=6/5
transition, ω = 4/(γ+1)=3/2
vacuum, ρ diverges, ω>4/(γ+1)=3/2
ω=1.8
ω=0
Scaled Speed
Scaled Position
0
.2
.4
.6
.8
1