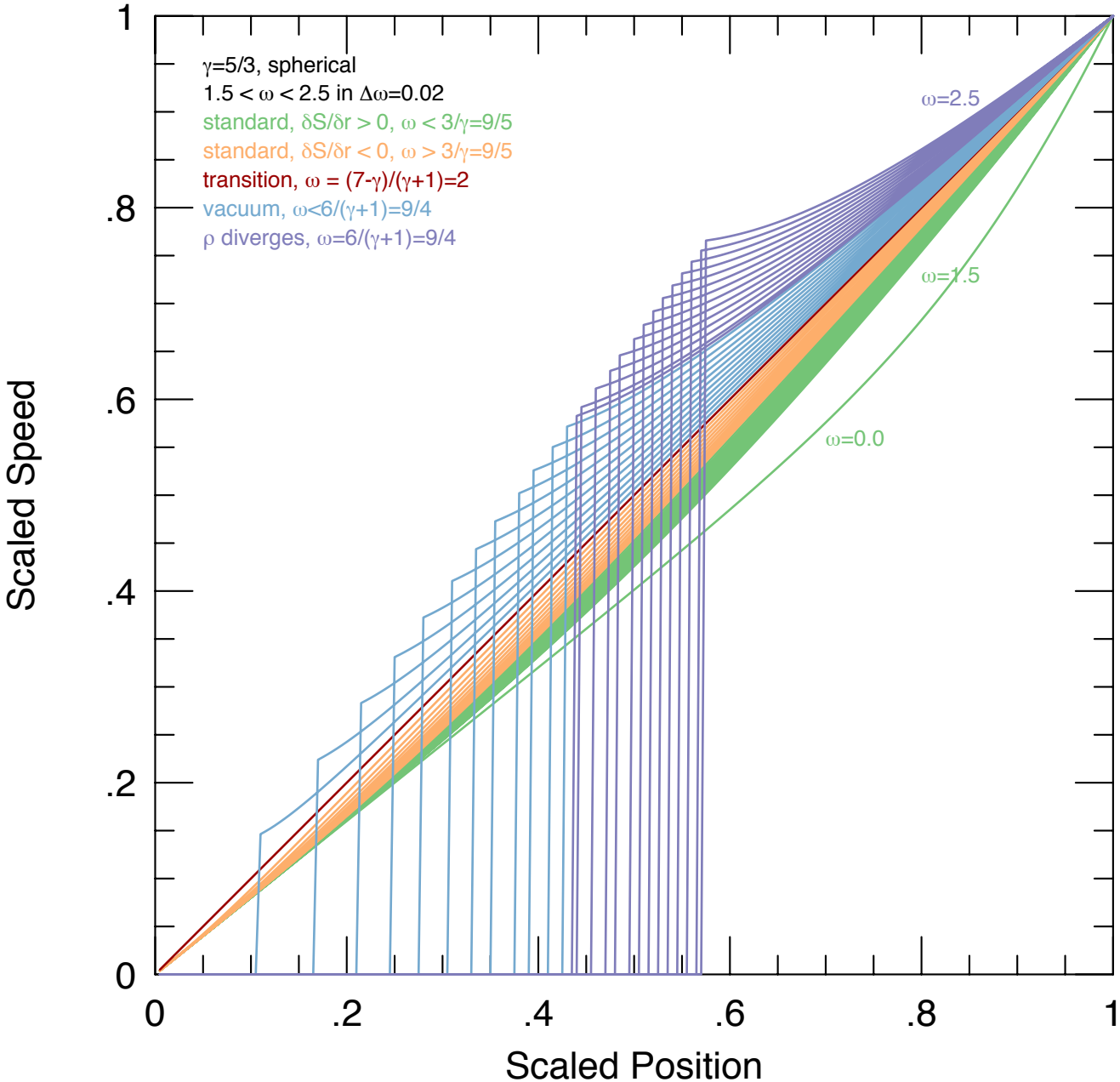
γ=5/3, spherical
1.5 < ω < 2.5 in Δω=0.02
standard, δS/δr > 0, ω < 3/γ=9/5
standard, δS/δr < 0, ω > 3/γ=9/5
transition, ω = (7-γ)/(γ+1)=2
vacuum, ω<6/(γ+1)=9/4
ρ diverges, ω=6/(γ+1)=9/4
ω=2.5
ω=1.5
ω=0.0
Scaled Speed
Scaled Position
0
.2
.4
.6
.8
1