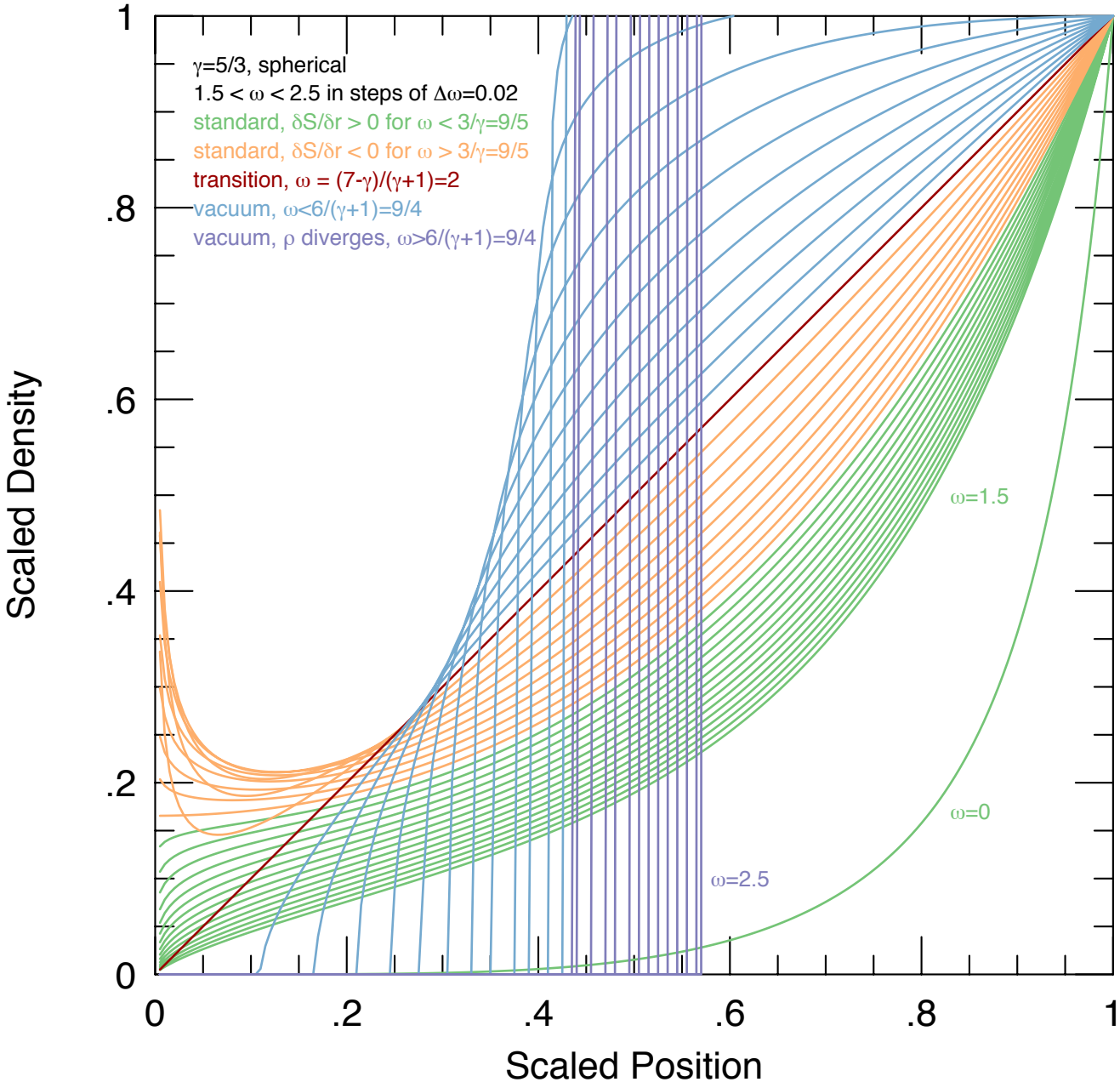
γ=5/3, spherical
1.5 < ω < 2.5 in steps of Δω=0.02
standard, δS/δr > 0 for ω < 3/γ=9/5
standard, δS/δr < 0 for ω > 3/γ=9/5
transition, ω = (7-γ)/(γ+1)=2
vacuum, ω<6/(γ+1)=9/4
vacuum, ρ diverges, ω>6/(γ+1)=9/4
ω=1.5
ω=0
ω=2.5
Scaled Density
Scaled Position
0
.2
.4
.6
.8
1