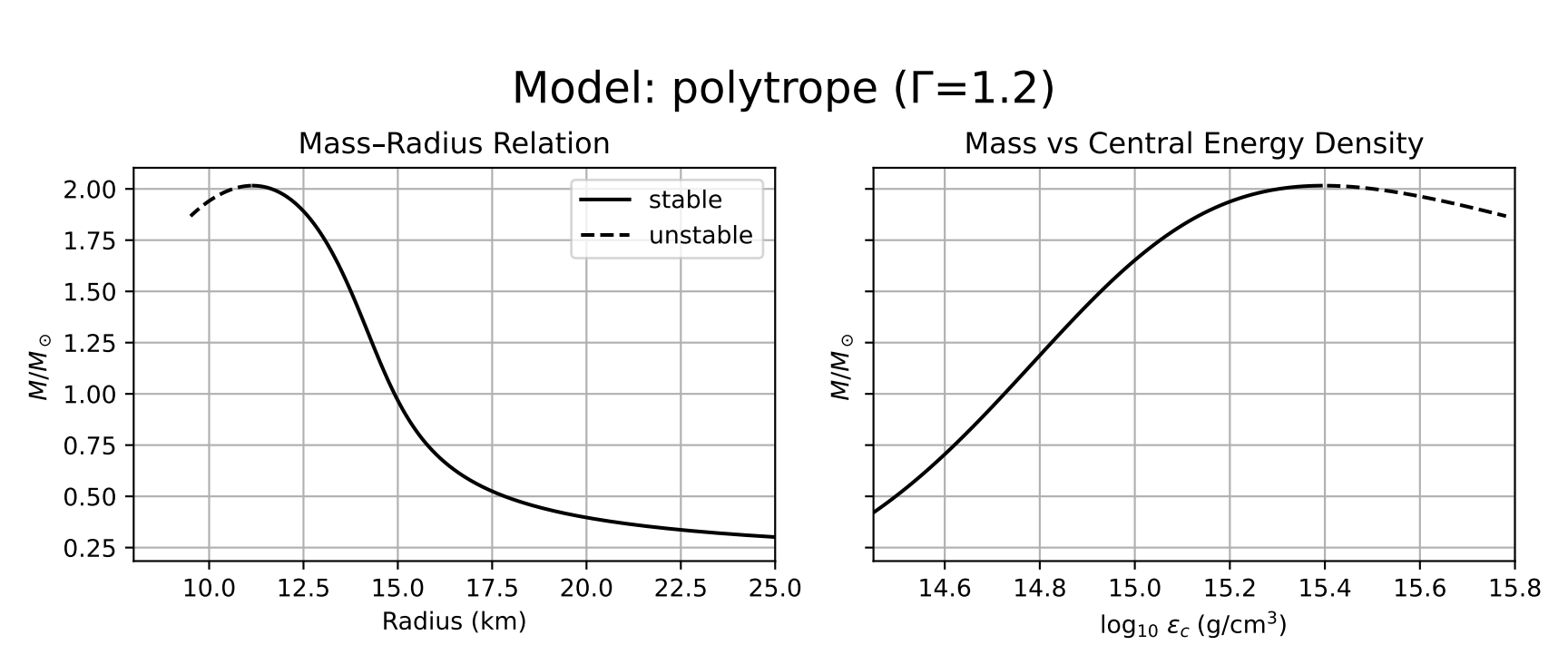
Model: polytrope (Γ=1.2)
Mass–Radius Relation
stable
unstable
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
$M/M_\odot$
10.0
12.5
15.0
17.5
20.0
22.5
25.0
Radius (km)
Mass vs Central Energy Density
$M/M_\odot$
14.6
14.8
15.0
15.2
15.4
15.6
15.8
$\log_{10}\,\varepsilon_c$ (g/cm^3)