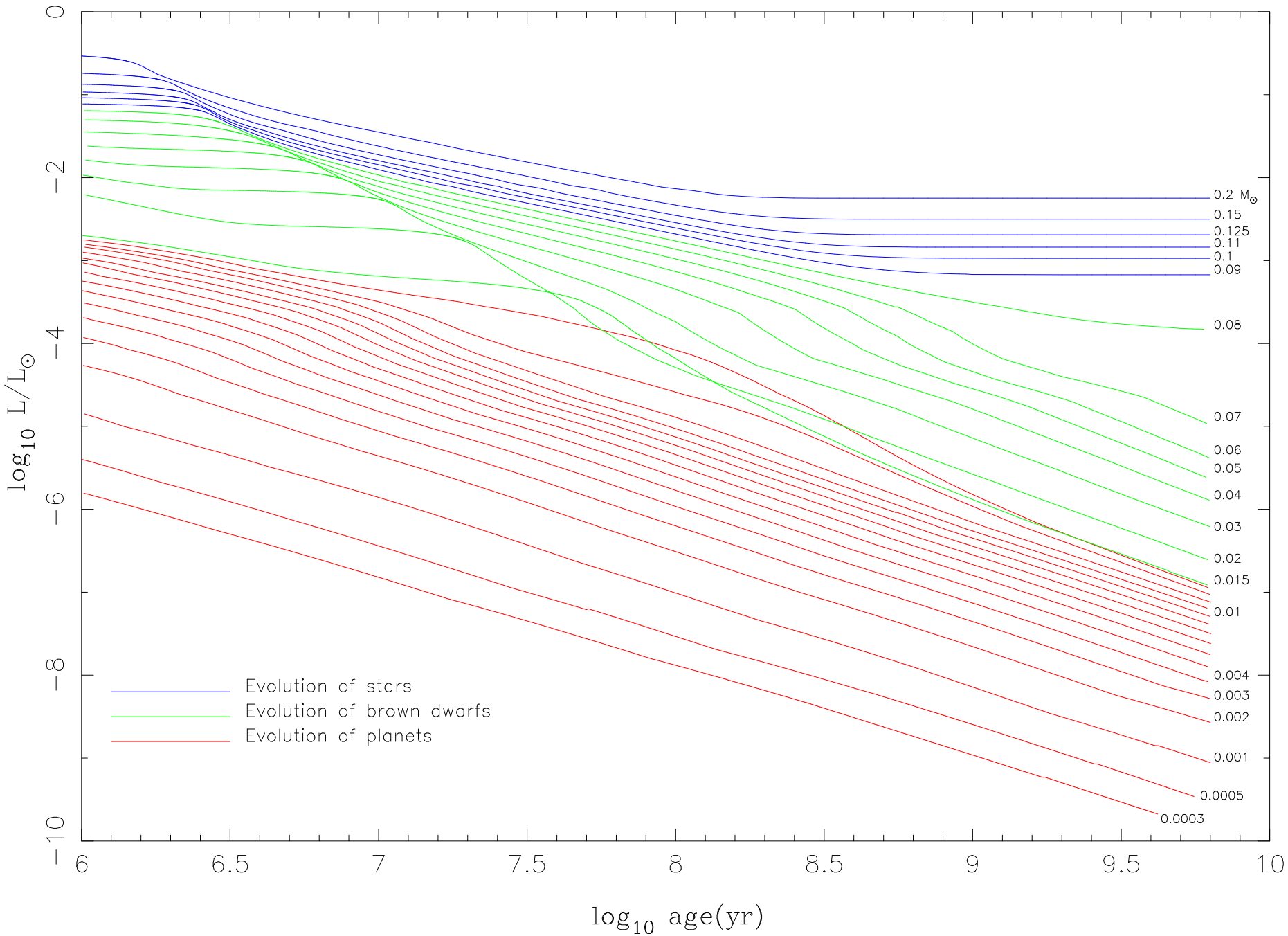
Evolution of luminosity with time for different masses
log10 L/L⊙
log10 age(yr)
0
−2
−4
−6
−8
−10
6
6.5
7
7.5
8
8.5
9
9.5
10
0.2 M⊙
0.15
0.125
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.015
0.01
0.004
0.003
0.002
0.001
0.0005
0.0003
Evolution of stars
Evolution of brown dwarfs
Evolution of planets