

Spectral Class

O

B

A

F

G

K

M

100,000

10,000

1,000

100

10

1

0.1

Instability Strip

Cepheids

Hertzsprung Gap

W Virginis

Typical
Evolutionary
Track

Main Sequence

RR Lyrae
Stars

An HR diagram showing the later stages of evolution, indicated by a typical evolutionary track. The star evolves across the instability strip, that contains Cepheid variable stars and RR Lyrae stars, and then evolves rapidly across the Hertzsprung gap.

Sun

40,000

20,000

10,000

5,000

2,500

Surface Temperature (K)

Luminosity (solar units)

