

Type	Range of Periods	Population Type	Radial or Nonradial
Long-Period Variables	100–700 days	I,II	R
Classical Cepheids	1–50 days	I	R
W Virginis stars	2–45 days	II	R
RR Lyrae stars	1.5–24 hours	II	R
δ Scuti stars	1–3 hours	I	R,NR
β Cephei stars	3–7 hours	I	R,NR
ZZ Ceti stars	100–1000 seconds	I	NR

Table 14.1 Pulsating Stars.

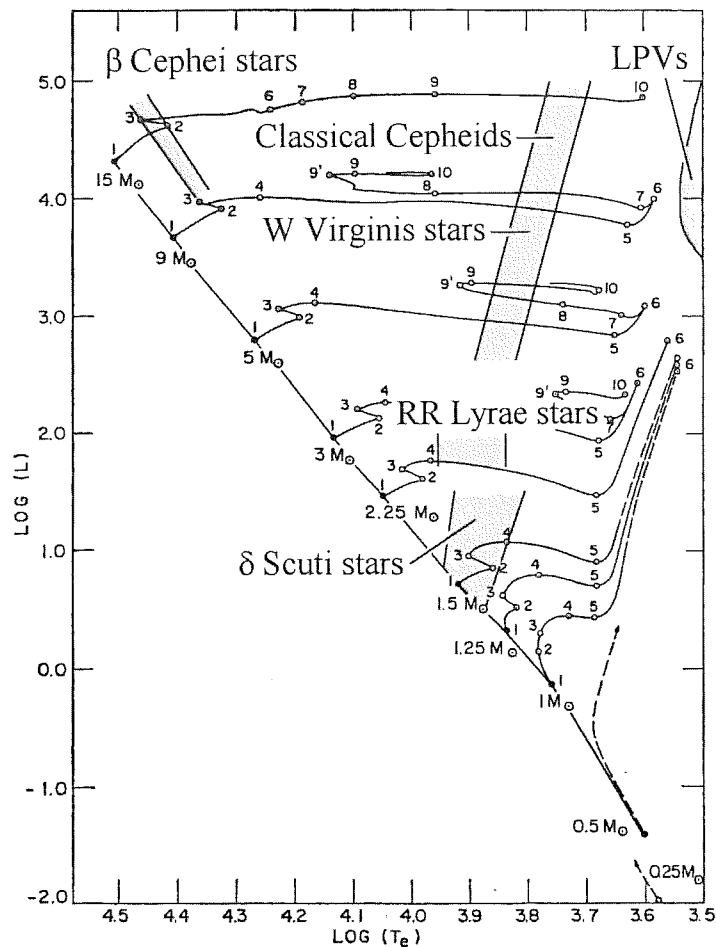


Figure 14.6 Pulsating stars on the H–R diagram. The evolutionary tracks are incomplete, and those of the lower-mass stars extend into the LPV (long-period variable) region. (The evolutionary tracks are from Iben, *Annu. Rev. Astron. Astrophys.*, 5, 571, 1967. Reproduced with permission from the *Annual Review of Astronomy and Astrophysics*, Volume 5, ©1967 by Annual Reviews Inc.)