Figure 13-12 A color–color diagram of $U - B$ against $B - V$ for main-sequence stars (solid curve) and supergiants (dashed curve); spectral classes are indicated along each curve.

Figure 13-13 Profiles of the spectra of various classes of main-sequence stars compared to the UBV bandpasses. Note that the Balmer discontinuity falls in the $U$ but not the other filters. This nonlinear effect causes the sharp bend in color–color plots. (Adapted from a diagram by A. Henden and R. Kaitchuck)