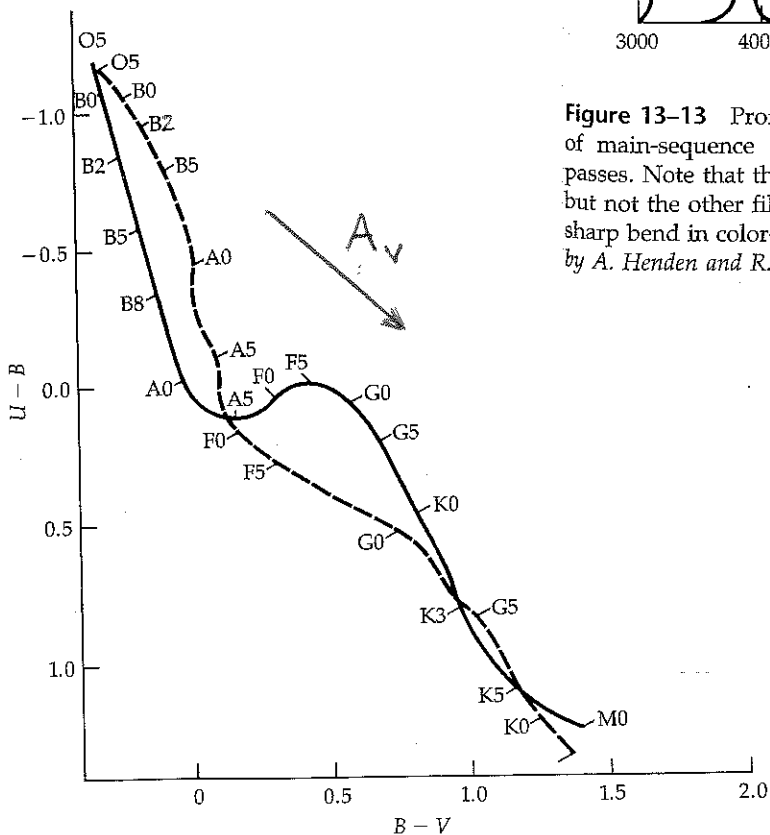


**Figure 13-13** Profiles of the spectra of various classes of main-sequence stars compared to the *UBV* band-passes. Note that the Balmer discontinuity falls in the *U* but not the other filters. This nonlinear effect causes the sharp bend in color-color plots. (Adapted from a diagram by A. Henden and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



**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.