

Fig. 3.11 Histogram of sdB Q values (bin size is 0.05 in Q), the solid line is for all sdB, the dotted line is for sdB with both $\sigma(J - K_s)$ and $\sigma(J - H) < 0.2$ the dashed line is for sdB with both $\sigma(J - K_s)$ and $\sigma(J - H) < 0.1$. Single sdBs fall in the left peak ($Q < 0.15$), composites fall in the right peak ($Q \geq 0.15$). The Q values of sdB+main sequence composites (assuming $M_{V,\text{sdB}} = 4.5 \text{ mag}$) are indicated by downward pointing arrows and labelled with the corresponding Pop I main sequence type. An arrow indicates the shift in Q due to one magnitude of extinction at V ($A_V = 1$, see §C.2).

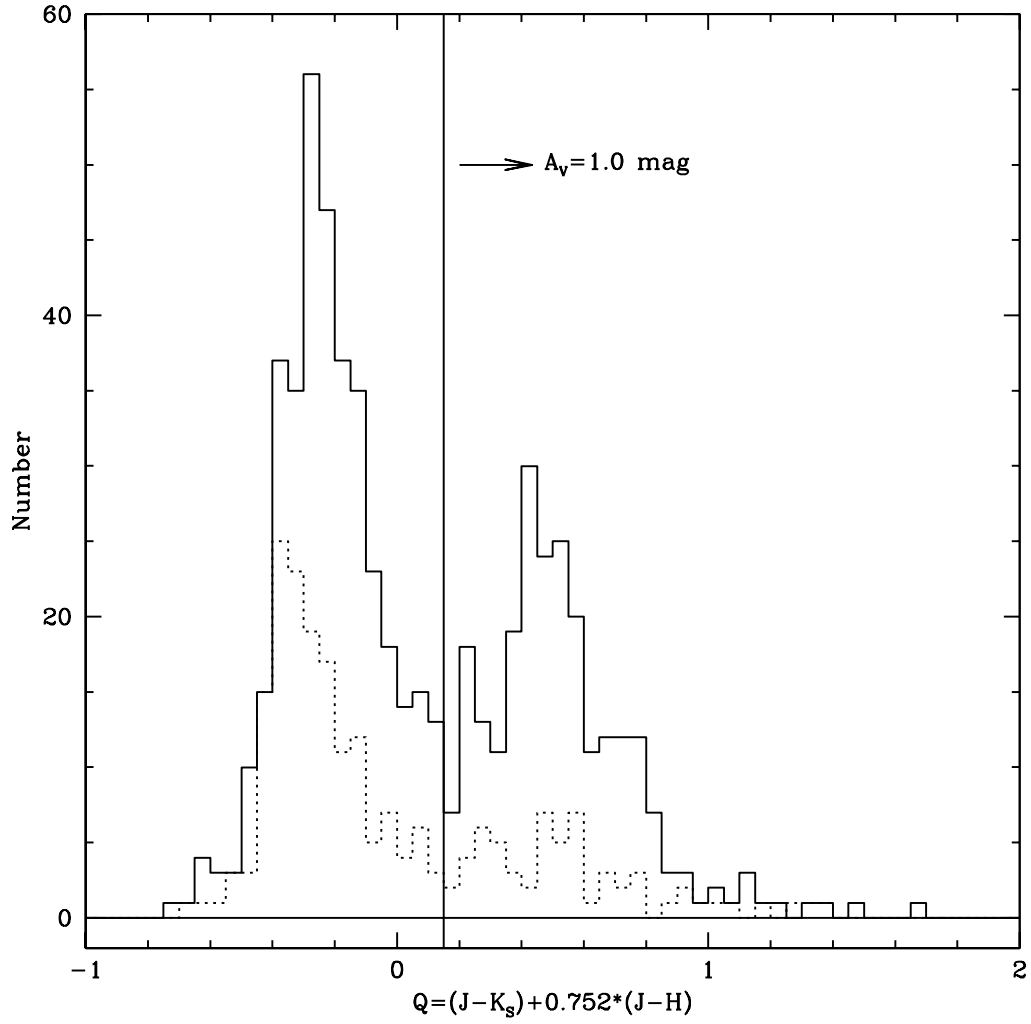


Fig. 3.12 Same as Figure 3.11, except comparing all sdB and sdO Q values (bin size is 0.05 in Q), the solid line is for all sdB, the dotted line is for all sdO.