

Figure 8-3

In the top-left graph, the log of the luminosities of all the BALQSOs are plotted against redshift. The filled circles are BALQSOs with detected variability (see figure 8-2).

The top-right graph shows the normalized maximum deviations versus the timespan between the first and last observation in the time frame of the QSO, $\Delta t(\text{Earth}) = (1+z_e) \Delta t(\text{QSO})$. The symbols are the same as in the lower graphs of figure 8-2. The dotted line is our variability cutoff.

The lower-left graph is a histogram of BALQSOs versus maximum deviation for objects with a median calculated error less than 0.028 magnitudes. The subset of BALQSOs with $z_e > 2.6$ are represented by the hashed region.

The lower-right graph shows the “Discrete Autocorrelation Function” versus the time difference between pairs of observations (QSO frame). Each point represents one pair of observations, and any QSO may contribute several points. The means of the points within 0.1 year bins are shown as open circles. Only QSOs with detected variability are represented here (see text for details).