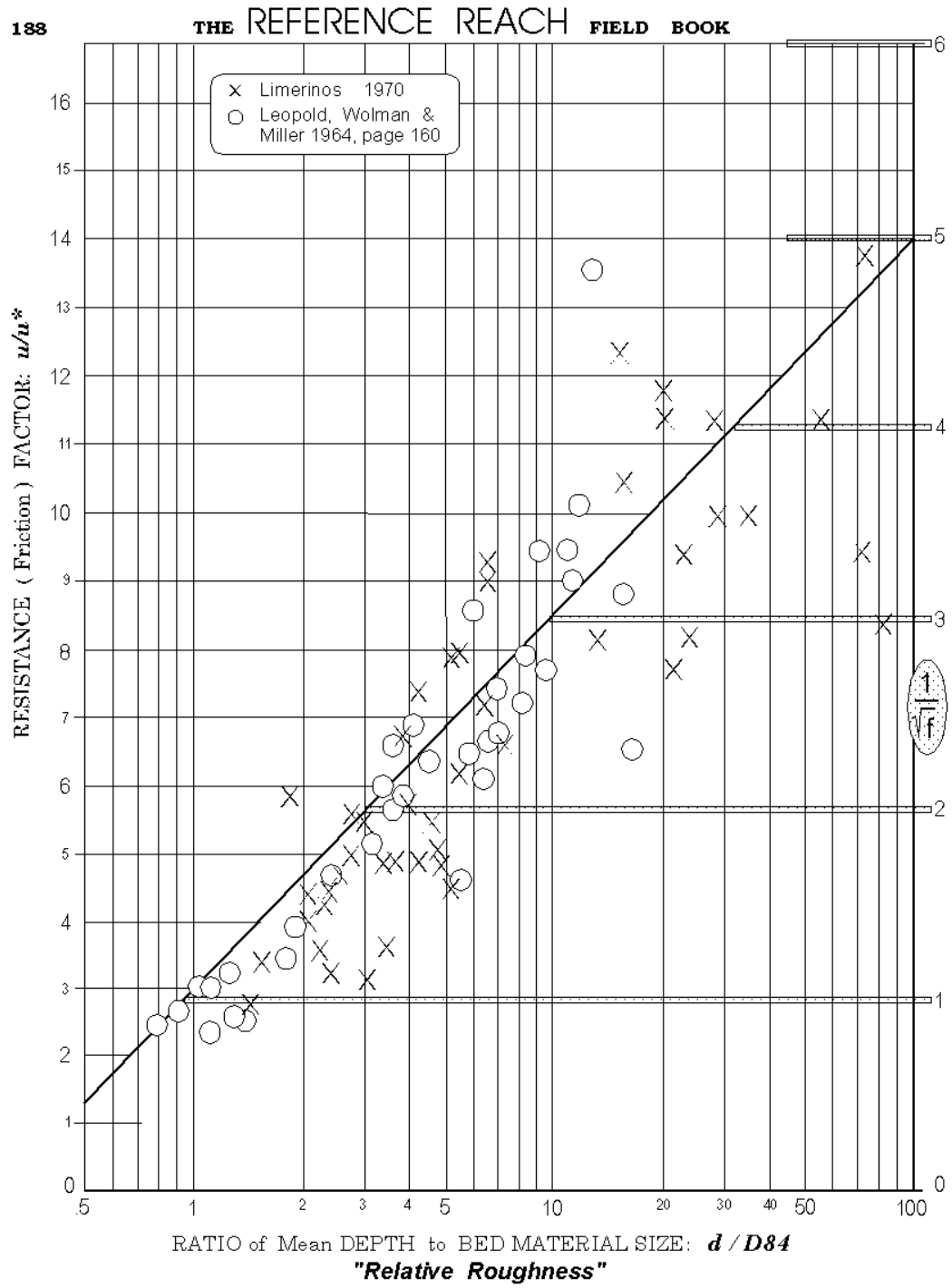

The relation of channel bed-particle size to hydraulic resistance, with river data from a variety of eastern and western streams.

Resistance Factors, **u/u*** and **1 / √f** are shown as a function **Relative Roughness**, i.e., a Ratio of mean water depth (**d**) to a bed material size index (**D84**) taken from field measurements.

Figure 103. Computation of velocity from a resistance factor and relative roughness (Leopold et al, 2000)