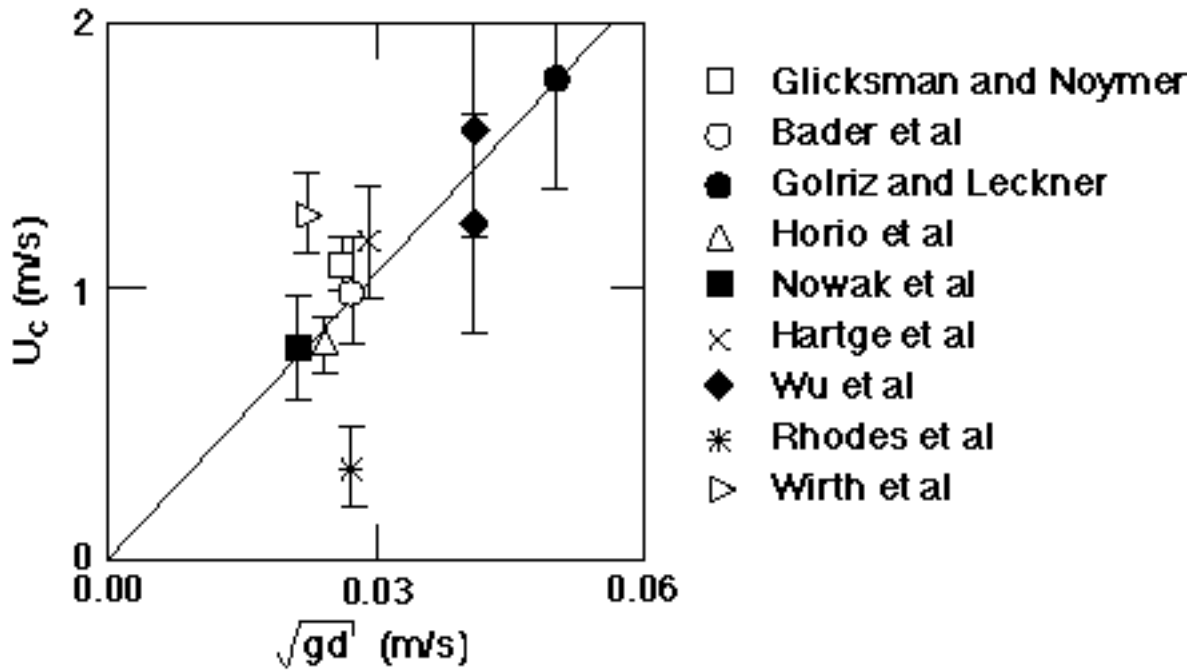


Elizabeth Griffith and M. Louge: "The Scaling of Cluster Velocity at the Wall of Circulating Fluidized Bed Risers," *Chem. Eng. Sci.* **53** (1998).



Suggested scaling of descending cluster velocity at the wall with particle diameter and gravitational acceleration. The symbols are data from the investigators shown; the line is

$$U_c = 36 \sqrt{gd}$$