Susceptibility Measurements on Small Al Grains
Measured with a SQUID magnetometer

Figure 3. Measured diamagnetic susceptibility of aluminium powders with differing mean particle sizes. The full curves are the GL theory including fluctuation effects, average particle distributions (after Buhrman and Halperin '97).

\[
\chi = -\frac{1}{40\pi} \frac{\mu_0 R^2 \langle 141^* \rangle (e^*)^3}{m^*}
\]

\[S_{\text{AL}} = 16000 \text{ Å} \]

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