**Static Friction**

**Measuring the Coefficient of Static Friction**

**Purpose:** Compares the coefficient of static friction $\mu_s$ for several surface-surface interactions.

By carefully increasing the angle of the inclined plane until the block begins to move, you can measure $\mu_s = \tan(q_{\text{max}})$.

The plane has three surfaces: glass, sandpaper (100 grit), and sanded plywood. Three blocks with wood, glass, and 100- and 220-grit sandpaper sides provide a number of surface-to-surface combinations.

**Note:**

**Extra Equipment:** None

**Location:** Shelf A3