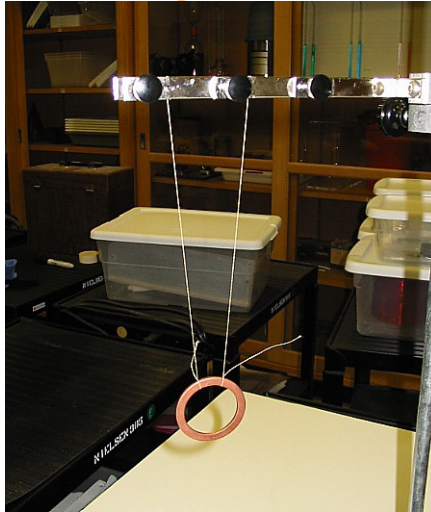


## Jim's Magic Gaskets



**The Magic Gasket**

**Purpose:** Demonstrates the induction of eddy currents and their mechanical reaction.

These rings are copper UHV gaskets, which Jim has suspended from holders. Take a permanent magnet and periodically shove it towards and away from the ring's center. The ring will start to swing, and if you time your shove with the swing, you can build up a reasonably large motion. The other ring has a transverse slit cut in it, which inhibits any circular current – so you cannot get it to swing (unless you accidentally bump it).

**Note:**

**Extra Equipment:** Ring stand and permanent magnet (F3)

**Location:** Shelf F3