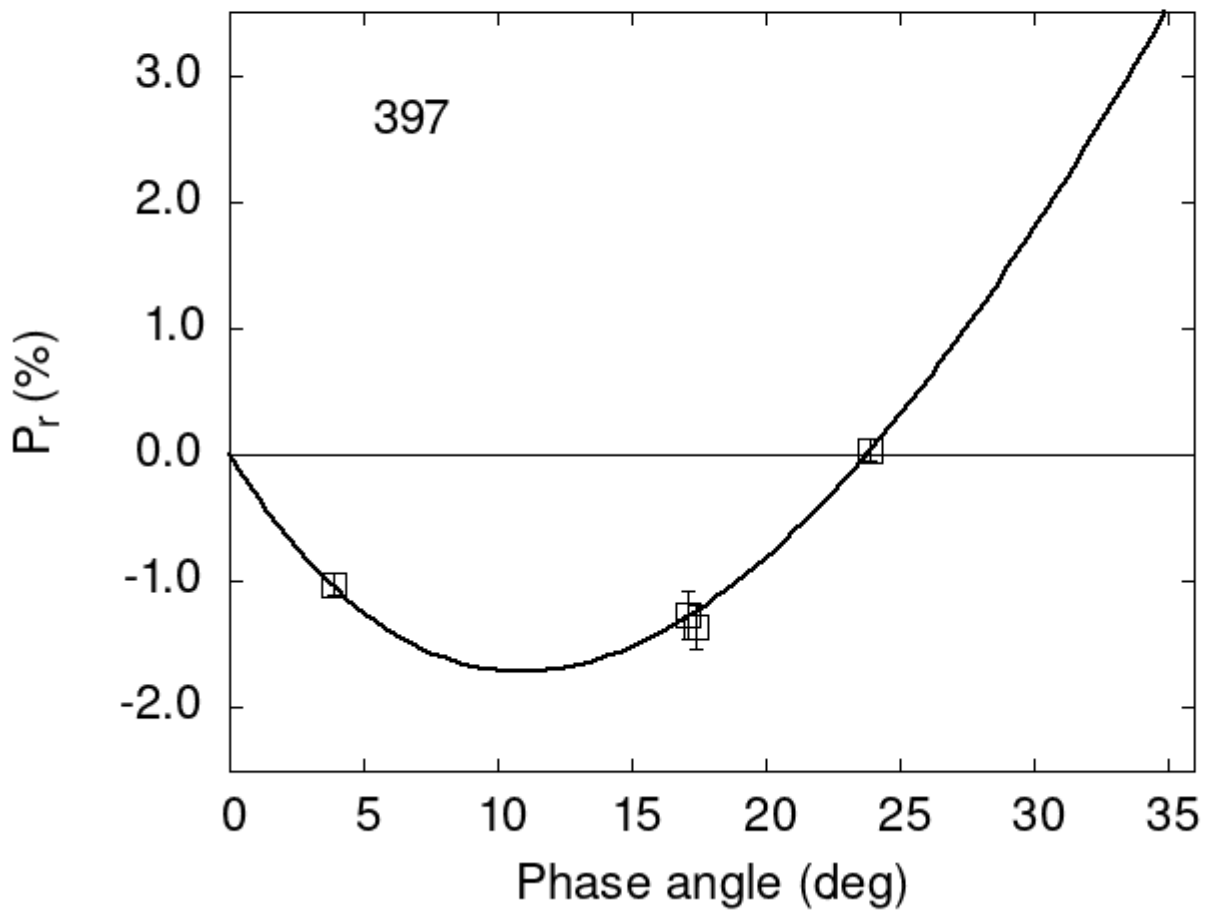


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

```
397  3.90 -1.02 0.09 V a
397 23.90  0.04 0.09 V a
397 17.40 -1.36 0.18 V a
397 17.10 -1.26 0.19 V a
```

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```
#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
# 22.2616  0.7313  23.9806  1.1979  0.5887  0.0228
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      10.92  1.38 -1.714  0.486 23.78  0.16 0.2444 0.0254
```