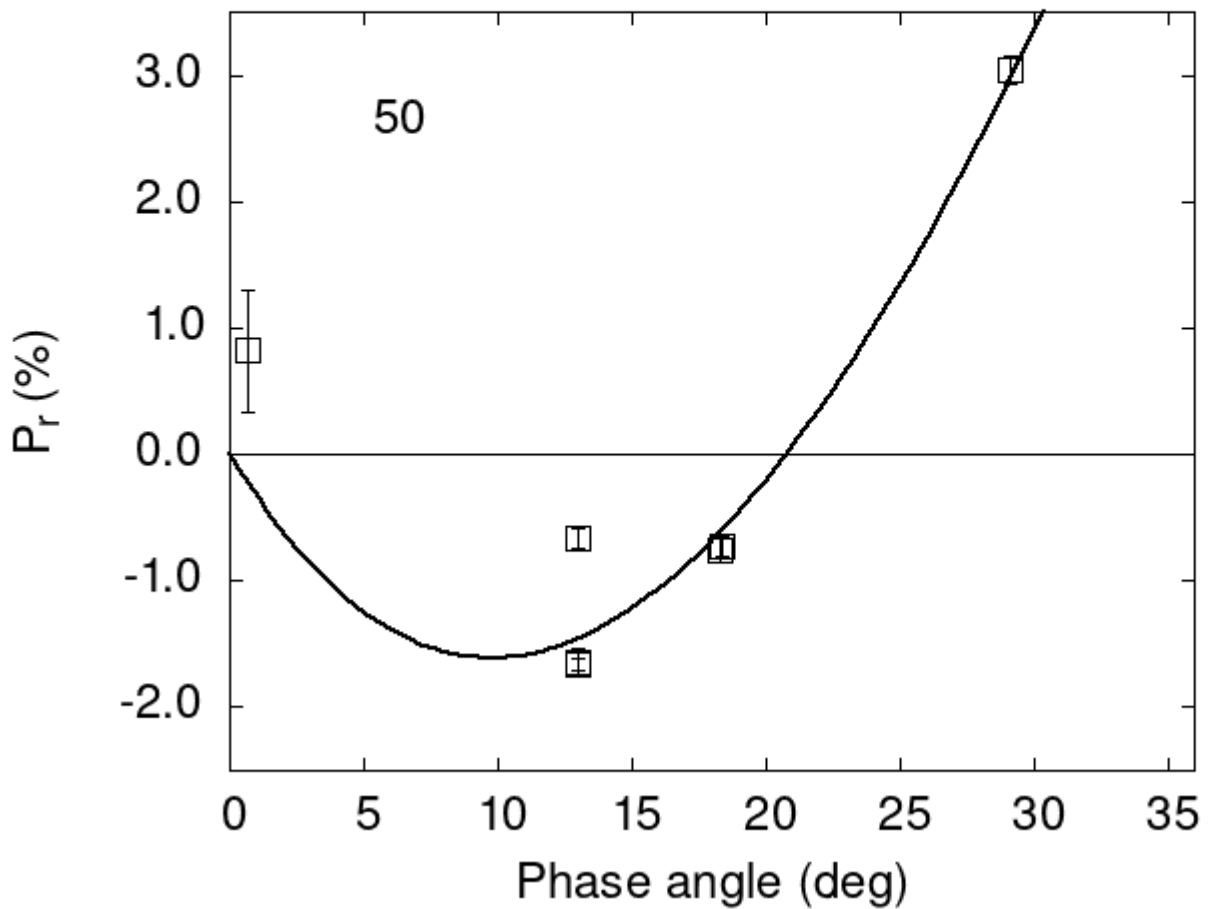


Catalogue of Asteroid Polarization Curves

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.

```
50 0.66 0.82 0.48 V f
50 12.96 -1.64 0.10 V f
50 12.96 -0.67 0.08 R f
50 18.33 -0.76 0.10 V f
50 18.40 -0.72 0.08 V a
50 12.96 -1.66 0.05 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
# 36.6250    1.1722   29.6404    0.6316    0.8880    0.0205
#
#      Phmin    err   Pmin      err   Ph0      err      k      err
#       9.79    1.24 -1.609    0.428  20.79    0.15  0.2753  0.0286
```