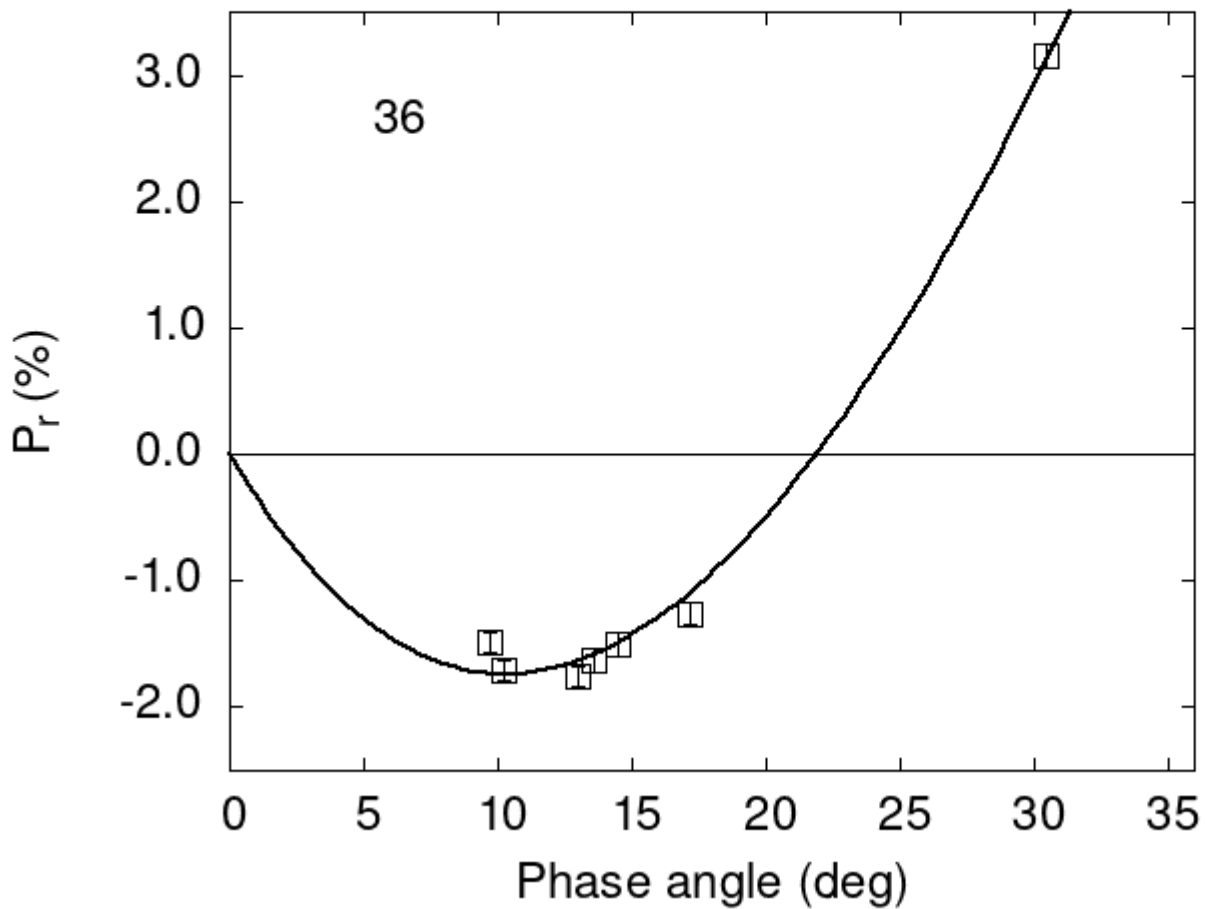


Catalogue of Asteroid Polarization Curves

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.

```
36 10.23 -1.71 0.08 V f
36 12.97 -1.75 0.08 V f
36 13.56 -1.63 0.09 V f
36 14.51 -1.50 0.09 V f
36 17.16 -1.26 0.09 V f
36 30.44 3.15 0.10 V f
```

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
# 39.4104    1.5521    31.1242    0.8728    0.9091    0.0213
#
#      Phmin    err    Pmin      err    Ph0      err    k      err
#      10.31    1.54 -1.740    0.556    21.89    0.14 0.2824 0.0330
```