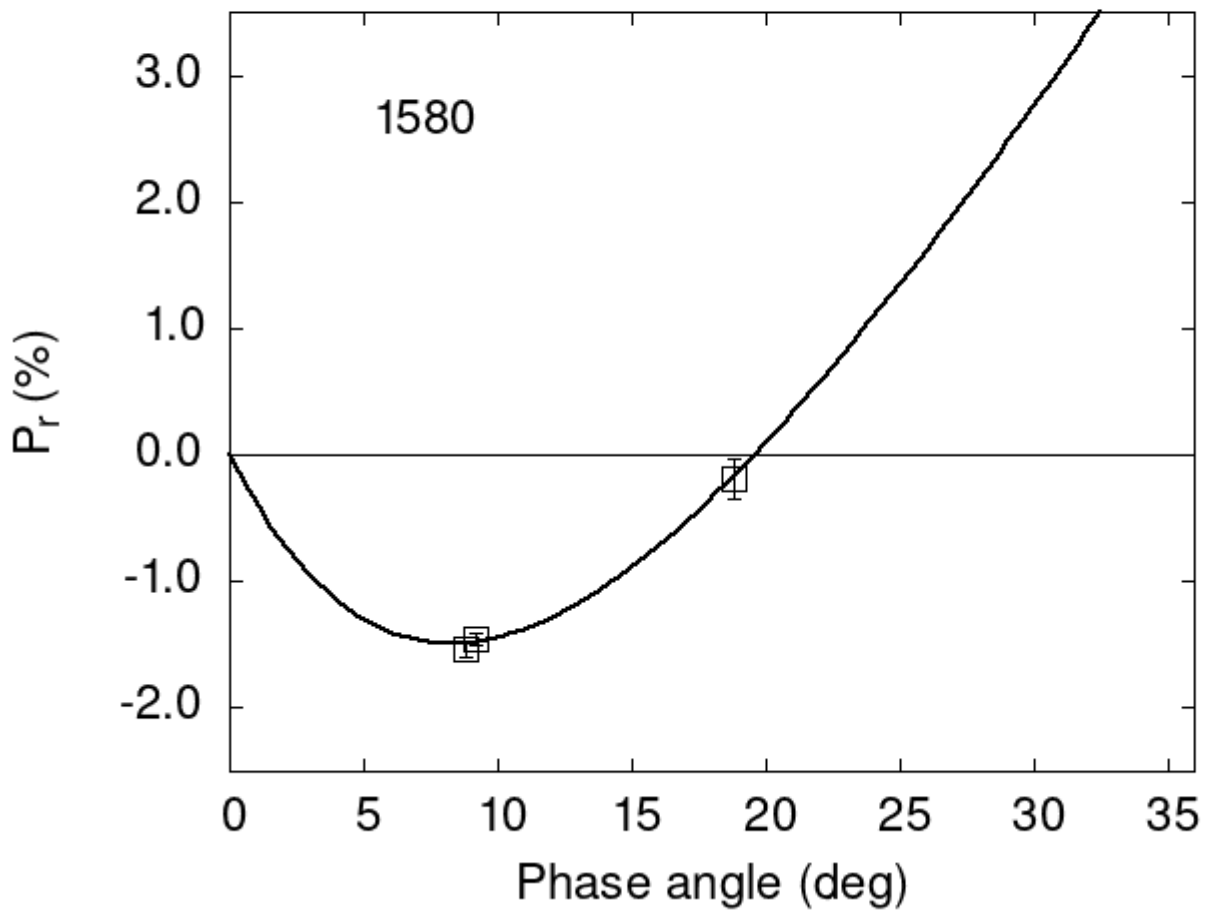


Catalogue of Asteroid Polarization Curves

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.

```
1580 38.80  5.44 0.12 G a
1580 18.80 -0.19 0.16 G a
1580  9.20 -1.45 0.05 G a
1580  8.80 -1.53 0.06 G 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
#      7.6385    1.2911    10.1957    1.8573     0.3327    0.0296
#
#      Phmin    err   Pmin     err   Ph0     err    k      err
#      8.28    1.98 -1.493    0.909  19.59    0.18  0.2230  0.0395
```