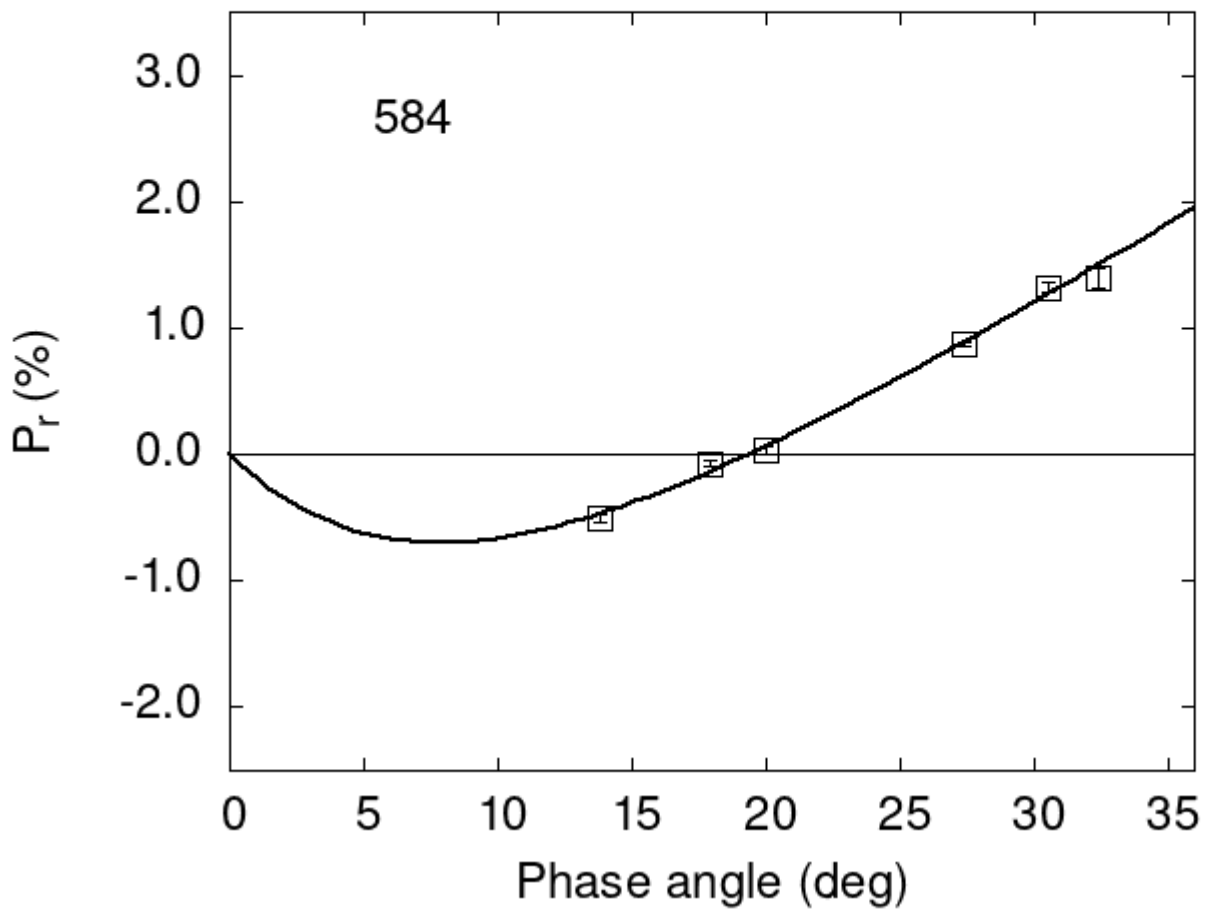


Catalogue of Asteroid Polarization Curves

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.

584	32.39	1.40	0.08	G	a
584	30.56	1.32	0.04	G	a
584	27.42	0.87	0.02	G	a
584	19.98	0.03	0.03	G	a
584	13.79	-0.51	0.03	G	a
584	17.96	-0.07	0.03	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
#      2.7994    0.2358    8.1814    1.1137    0.1308    0.0067
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      7.87    0.81 -0.700  0.209 19.40  0.40 0.0989 0.0094
```