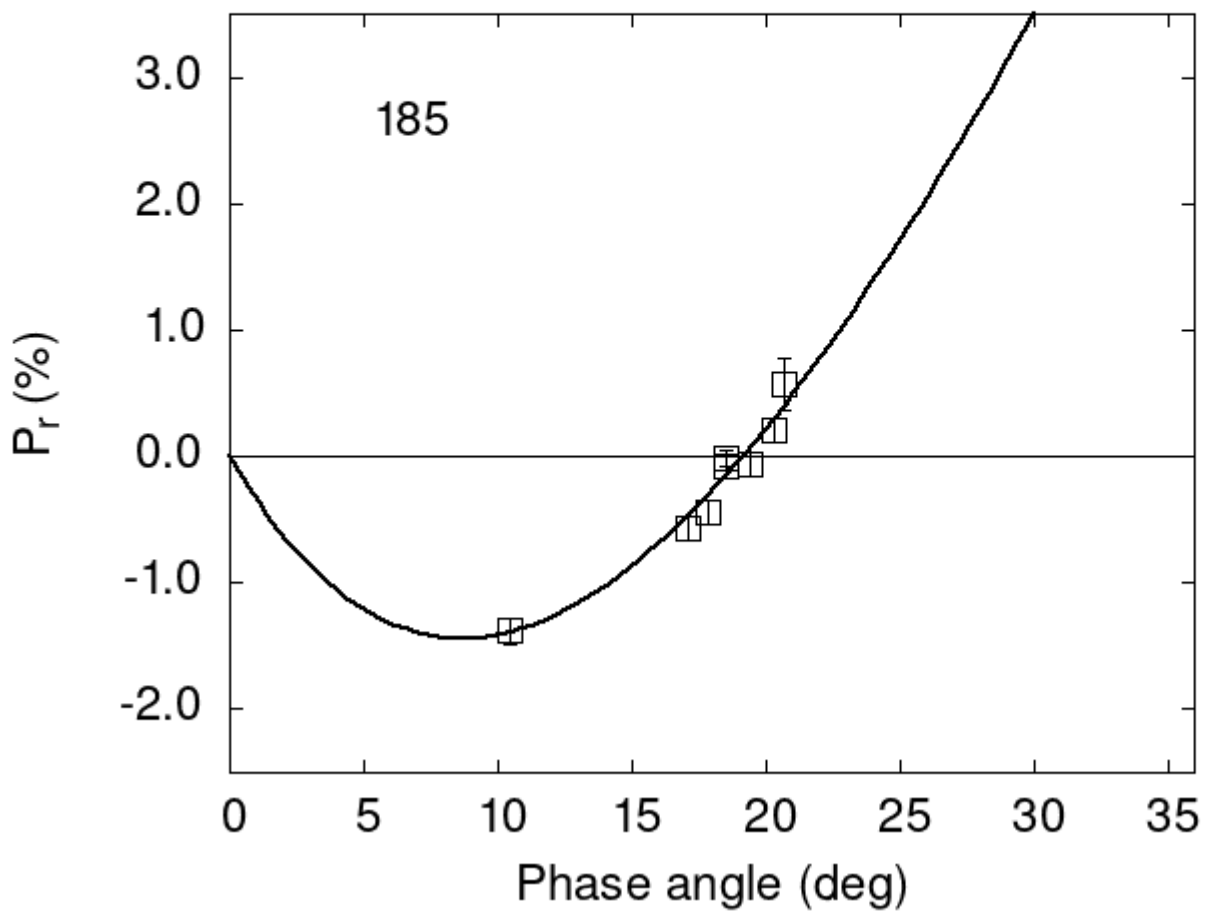


Catalogue of Asteroid Polarization Curves

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.

```
185 10.49 -1.38 0.10 V f
185 17.11 -0.57 0.09 V f
185 17.86 -0.44 0.09 V f
185 18.56 -0.08 0.10 V f
185 19.42 -0.06 0.09 V f
185 20.69 0.57 0.20 V f
```

185 20.30 0.21 0.09 V a
 185 18.56 -0.01 0.06 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
# 14.5456  0.5695  16.3746  0.9923  0.5233  0.0212
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      8.66  1.03 -1.443  0.405 19.18  0.16 0.2480 0.0239
```