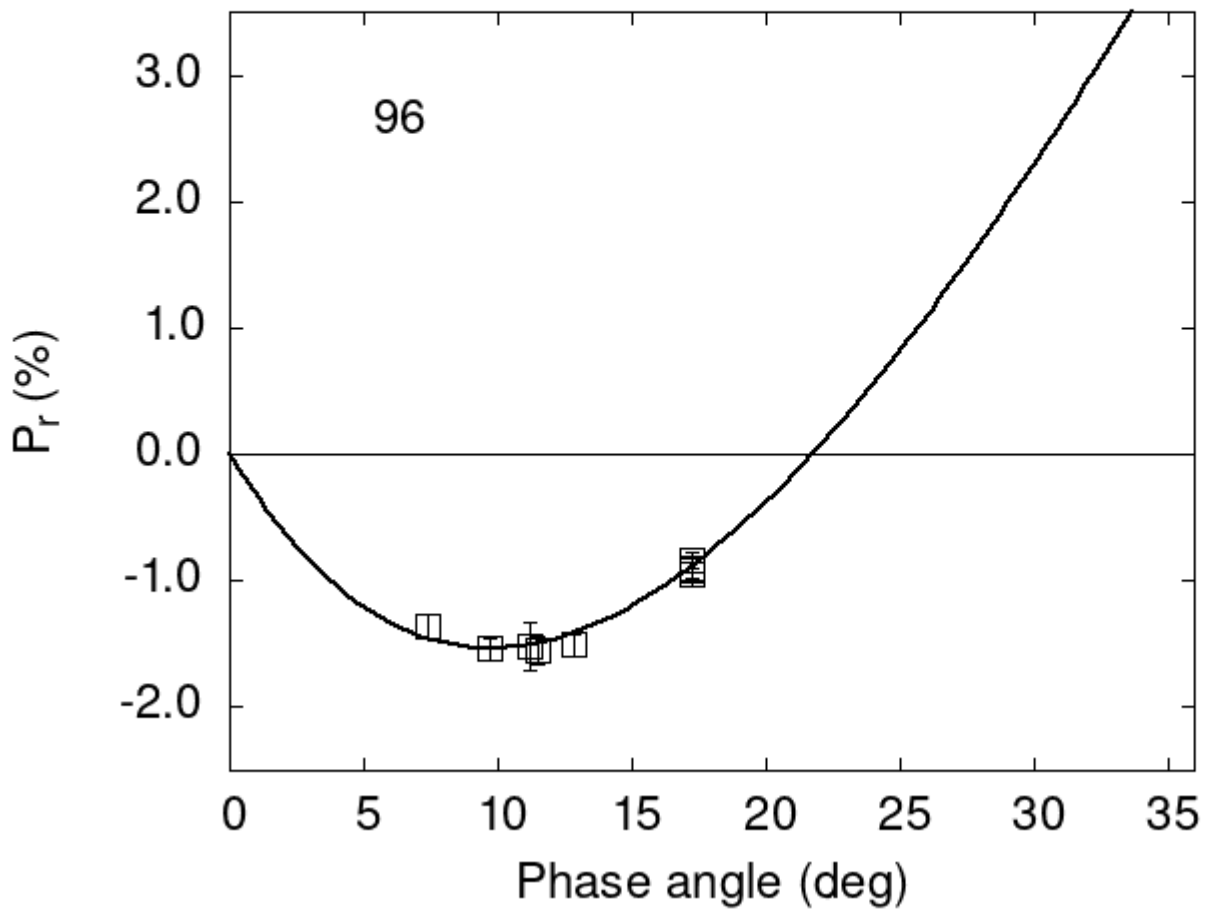


Catalogue of Asteroid Polarization Curves

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.

```
96  9.74 -1.54 0.09 V f
96 11.50 -1.55 0.11 V f
96 12.88 -1.51 0.09 V f
96 17.22 -0.95 0.09 V f
96 17.22 -0.90 0.09 V f
96  7.40 -1.36 0.10 V a
```

96 17.22 -0.92 0.06 V a
 96 17.22 -0.84 0.06 V a
 96 11.20 -1.52 0.19 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
# 14.0073  0.3967  17.3670  0.5938  0.4598  0.0155
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      9.76  0.81 -1.535  0.275 21.76  0.17 0.2294 0.0170
```