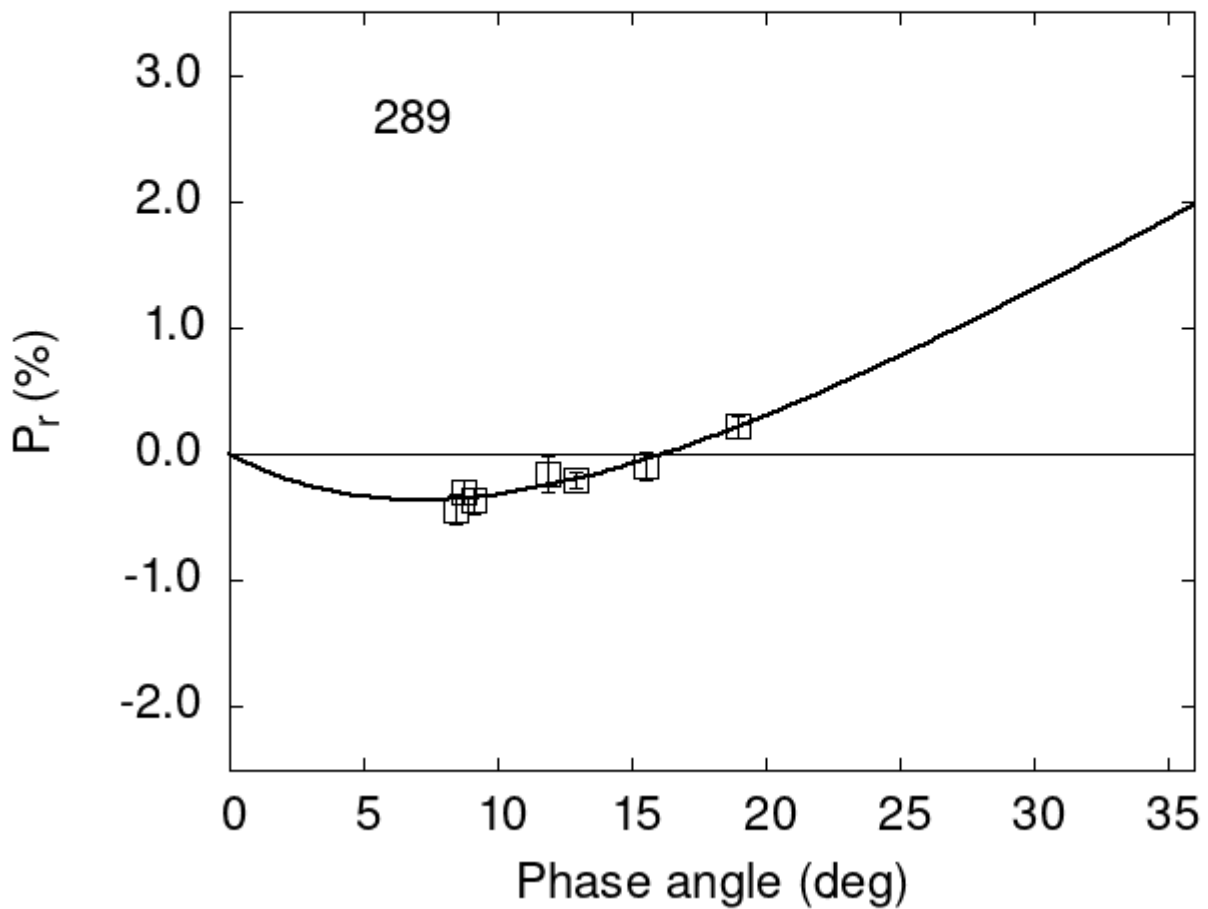


Catalogue of Asteroid Polarization Curves

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.

```
289 8.71 -0.30 0.09 V f
289 9.11 -0.37 0.10 V f
289 11.84 -0.16 0.14 V f
289 15.57 -0.09 0.11 V f
289 18.95 0.22 0.09 V f
289 8.42 -0.44 0.12 V a
```

289 12.90 -0.20 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
#      2.5866    0.2442    10.8359    1.4654     0.1240    0.0111
#
#      Phmin    err   Pmin     err   Ph0     err    k      err
#      7.09    1.50 -0.363   0.185  16.16   0.57  0.0703  0.0127
```