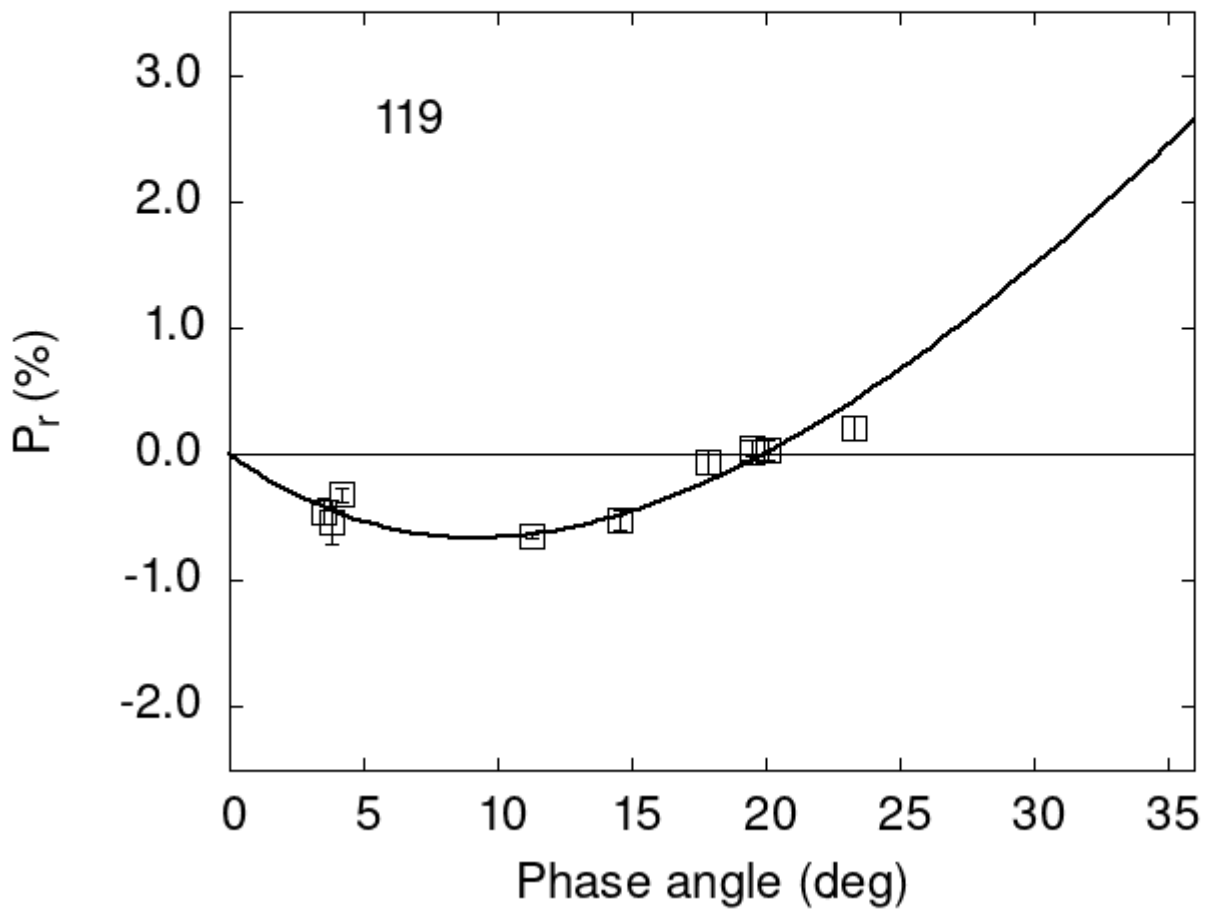


Catalogue of Asteroid Polarization Curves

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.

```
119 14.57 -0.52 0.08 V f
119 17.82 -0.06 0.10 V f
119 20.11 0.03 0.08 V f
119 23.29 0.21 0.10 V f
119 3.50 -0.46 0.09 V a
119 3.50 -0.45 0.10 R a
```

```

119  4.20 -0.32 0.06 V a
119 11.30 -0.65 0.02 V a
119 19.50  0.02 0.09 V a
119 19.50  0.05 0.07 V a
119  3.80 -0.54 0.17 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
#      9.3511    0.3270    21.2539    0.7352    0.2853    0.0084
#
#      Phmin    err    Pmin      err    Ph0      err      k      err
#      9.21     1.06 -0.661    0.166 19.96    0.35 0.1132 0.0104

```