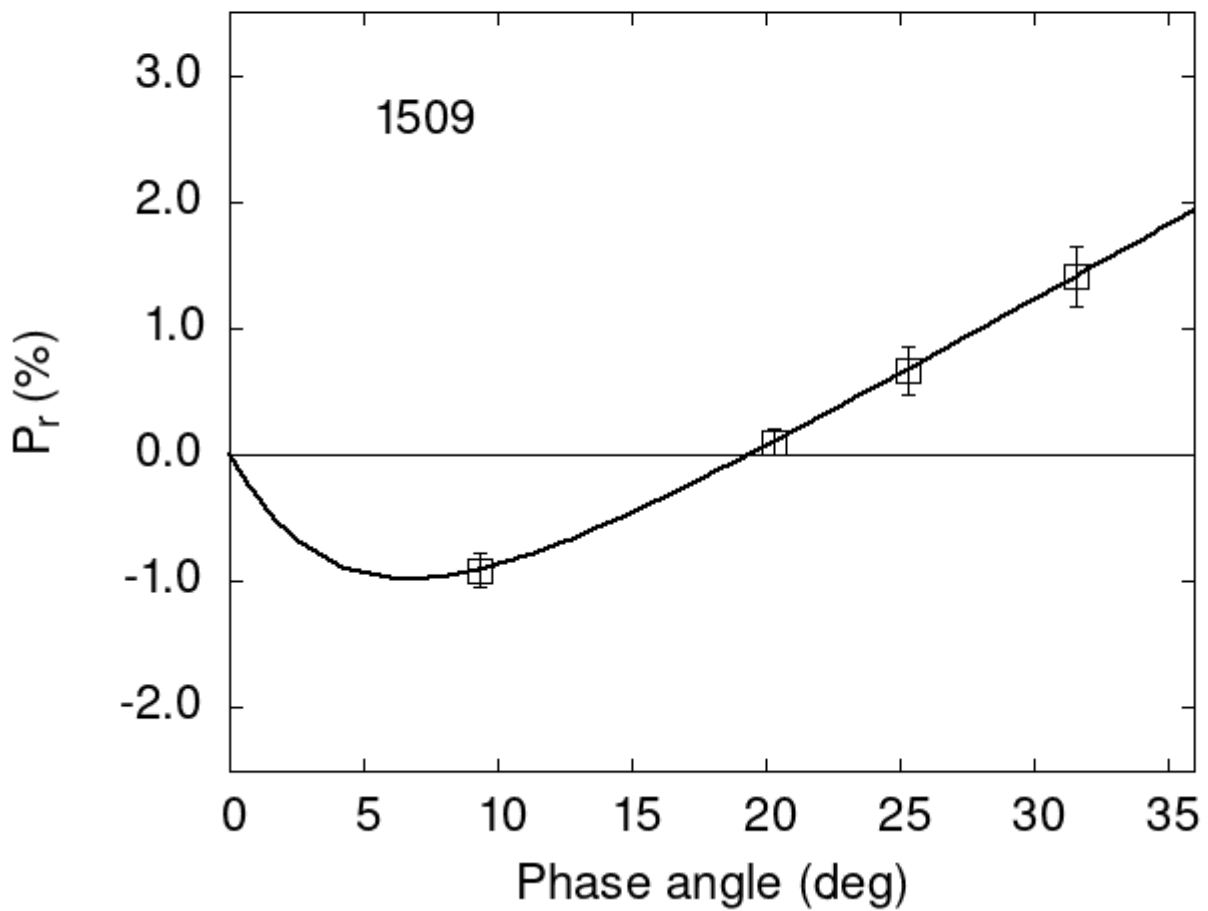


Catalogue of Asteroid Polarization Curves

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.

```
1509 20.30  0.10 0.10 V a
1509  9.30 -0.91 0.14 V a
1509 25.30  0.67 0.19 V a
1509 31.60  1.41 0.24 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
#      2.3351    0.7800    4.7090    3.1056    0.1184    0.0282
#
#      Phmin    err   Pmin      err   Ph0      err      k      err
#      6.74    2.35 -0.979   0.816  19.40   0.36  0.1103  0.0328
```