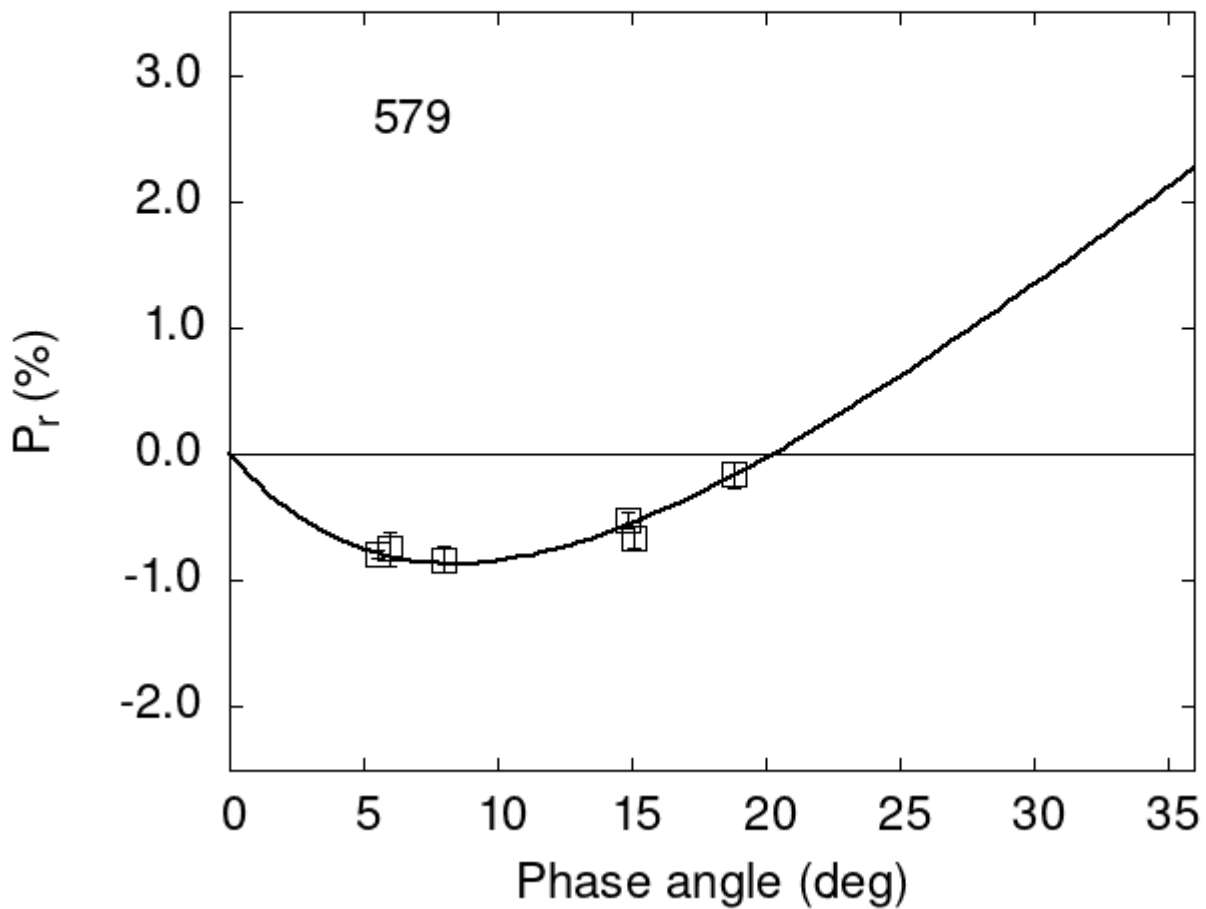


Catalogue of Asteroid Polarization Curves

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.

```
579 15.08 -0.66 0.09 V f
579 14.90 -0.52 0.06 V a
579 8.00 -0.83 0.10 V a
579 5.50 -0.79 0.03 V a
579 6.00 -0.75 0.13 V a
579 18.80 -0.16 0.10 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
#      3.8054      0.3882      9.2992      0.7854      0.1663      0.0149
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      8.37    1.27 -0.866    0.287    20.30    0.33    0.1202    0.0163
```