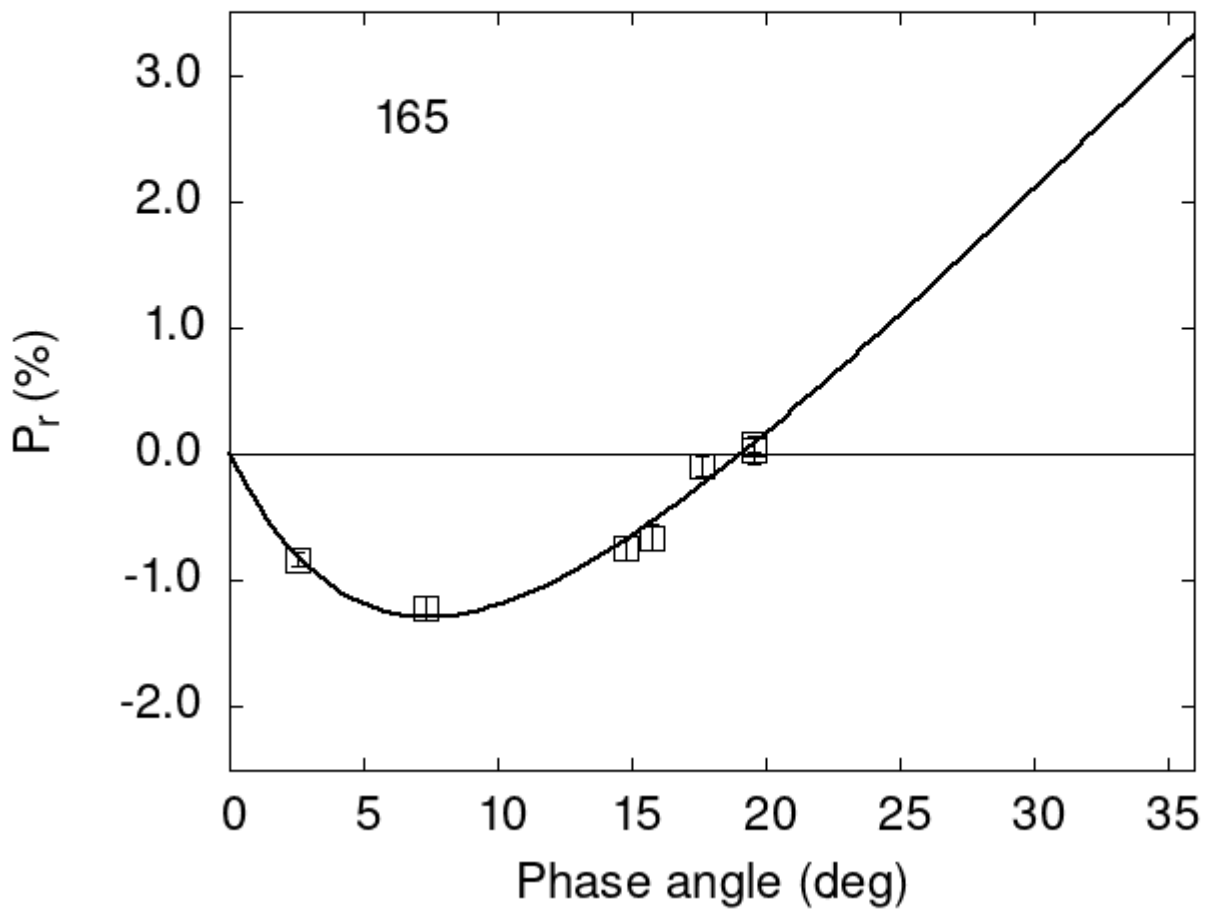


Catalogue of Asteroid Polarization Curves

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.

```
165  7.34 -1.22 0.10 V f
165 15.74 -0.66 0.10 V f
165 19.59  0.03 0.10 V f
165 17.60 -0.09 0.08 V a
165  2.56 -0.83 0.06 V a
165 14.80 -0.74 0.09 V a
```

165 19.59 0.08 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
#      4.2330    0.8245    6.6758    1.2798    0.2092    0.0351
#
#      Phmin    err    Pmin      err    Ph0      err    k      err
#      7.40    1.72 -1.288    0.679  19.08    0.23  0.1728  0.0381
```