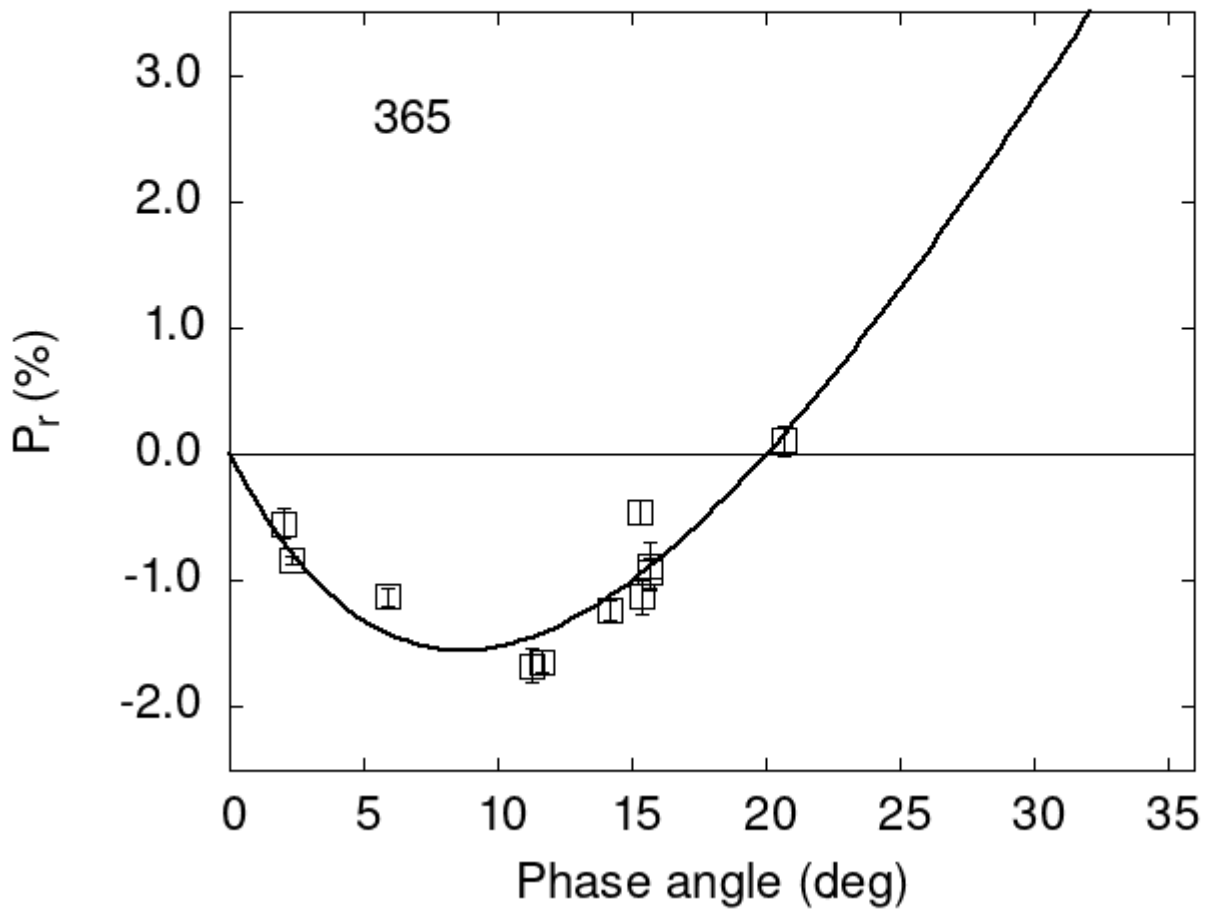


Catalogue of Asteroid Polarization Curves

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.

```
365  2.05 -0.55 0.12 V f
365 11.30 -1.67 0.13 V f
365 11.68 -1.64 0.09 V f
365 15.37 -1.13 0.13 V f
365 15.67 -0.94 0.12 V f
365 15.72 -0.89 0.19 V f
```

```

365 20.69 0.11 0.12 V f
365 2.33 -0.84 0.03 V a
365 5.90 -1.13 0.07 V a
365 15.30 -0.46 0.10 V h
365 14.20 -1.24 0.08 V h

```

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
#      9.3332    0.8546    11.8398    0.8314    0.3798    0.0270
#
#      Phmin    err    Pmin      err    Ph0      err    k      err
#      8.65    1.39 -1.553    0.551  20.05    0.17  0.2348  0.0309

```