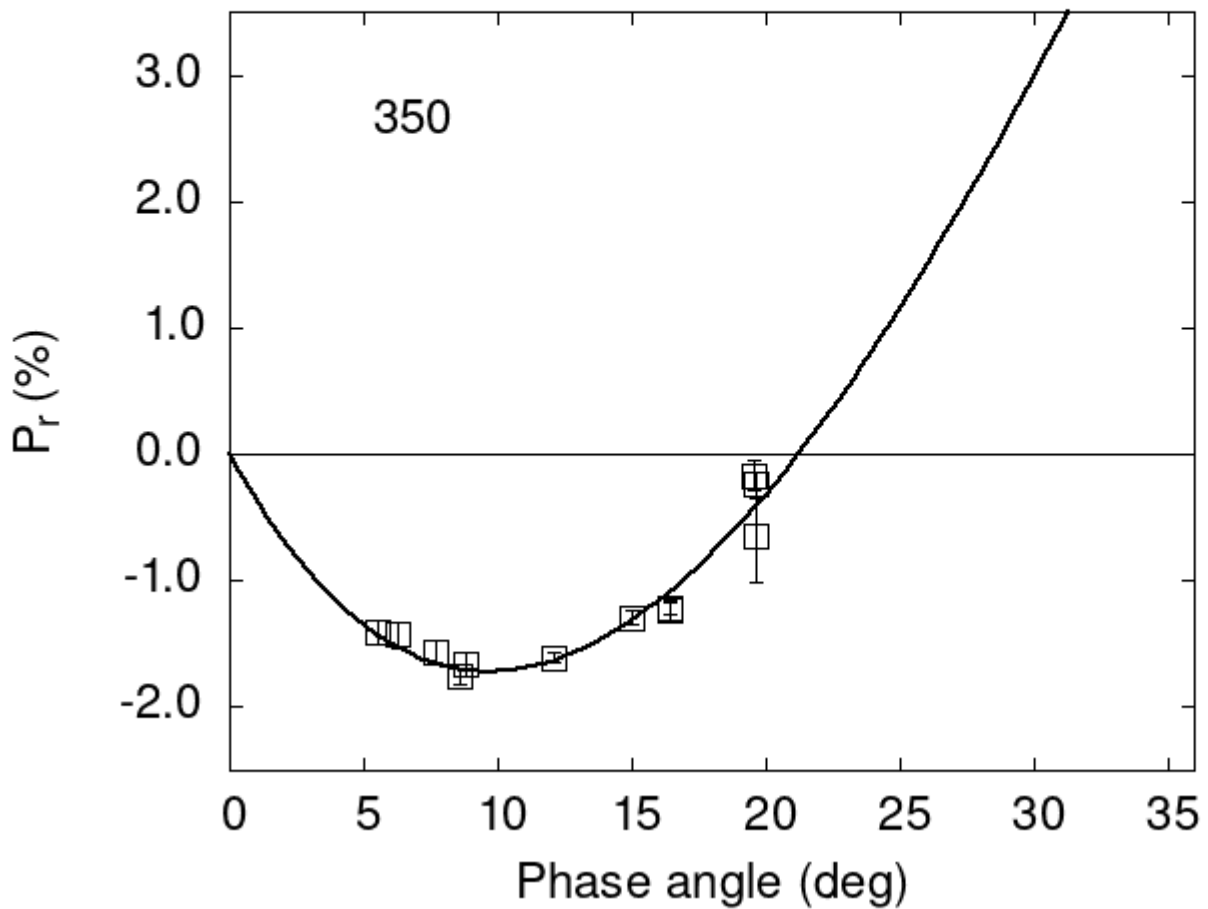


Catalogue of Asteroid Polarization Curves

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.

```
350 6.29 -1.43 0.10 V f
350 7.67 -1.56 0.09 V f
350 8.79 -1.66 0.09 V f
350 19.58 -0.17 0.12 V f
350 19.62 -0.64 0.37 V f
350 19.66 -0.24 0.10 V f
```

```

350 16.40 -1.21 0.06 V a
350 16.40 -1.24 0.07 R a
350 8.60 -1.76 0.06 V a
350 12.10 -1.61 0.04 V a
350 15.00 -1.29 0.06 V a
350 5.50 -1.41 0.09 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
# 20.8398    0.5838  20.4879    0.5193    0.6332    0.0165
#
#      Phmin    err  Pmin    err  Ph0    err    k      err
#      9.71    0.83 -1.718    0.314 21.23    0.15 0.2723 0.0193

```