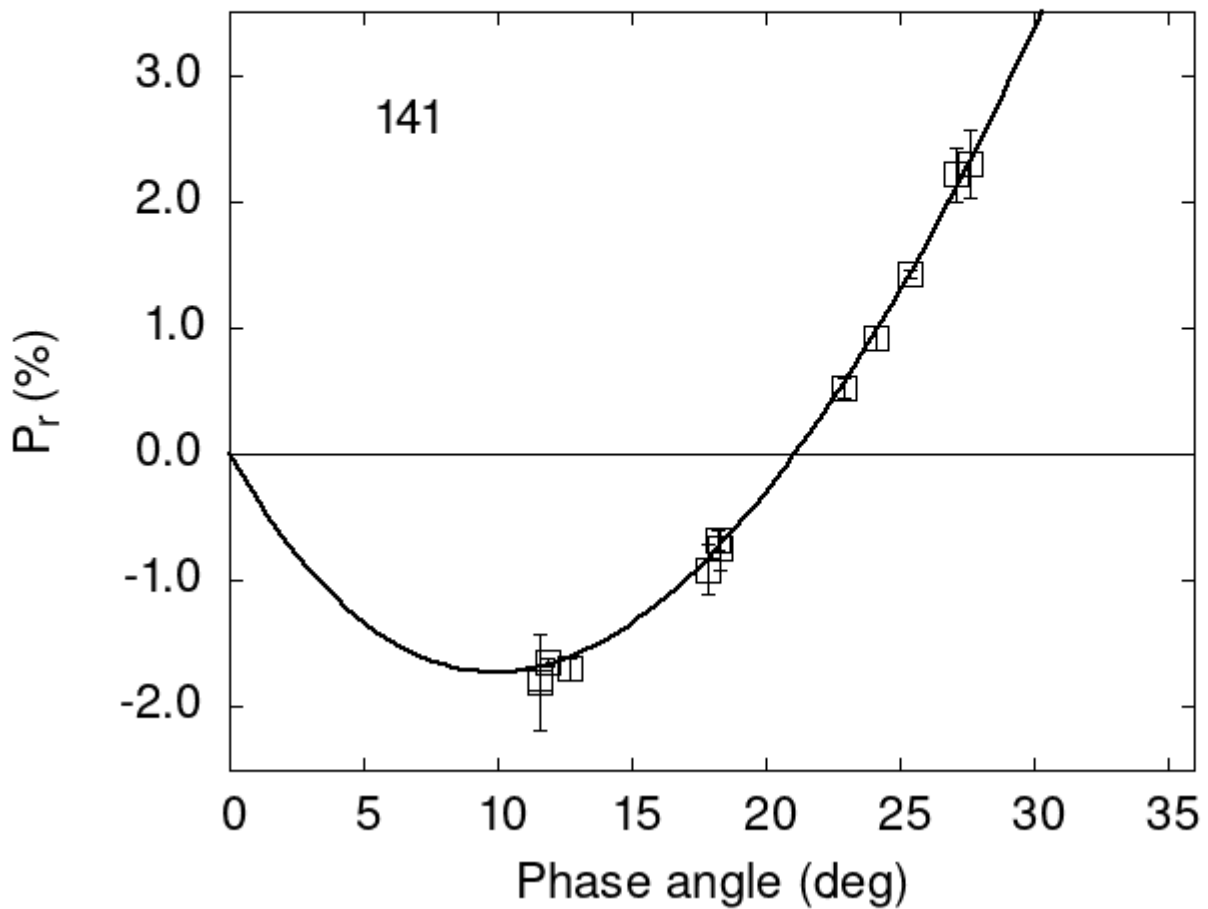


Catalogue of Asteroid Polarization Curves

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.

```
141 12.68 -1.70 0.09 V f
141 18.25 -0.68 0.08 V f
141 22.96 0.52 0.08 V f
141 24.14 0.92 0.09 V f
141 25.40 1.43 0.03 V f
141 11.57 -1.77 0.10 G a
```

```

141 11.59 -1.80 0.38 R a
141 17.82 -0.91 0.20 G a
141 18.30 -0.75 0.17 G a
141 27.12 2.21 0.21 G a
141 27.64 2.29 0.27 G a
141 11.90 -1.65 0.03 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
# 36.1473  0.4968 28.6153  0.3102  0.8935  0.0084
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      9.91  0.52 -1.726  0.193 21.10  0.14 0.2891 0.0119

```