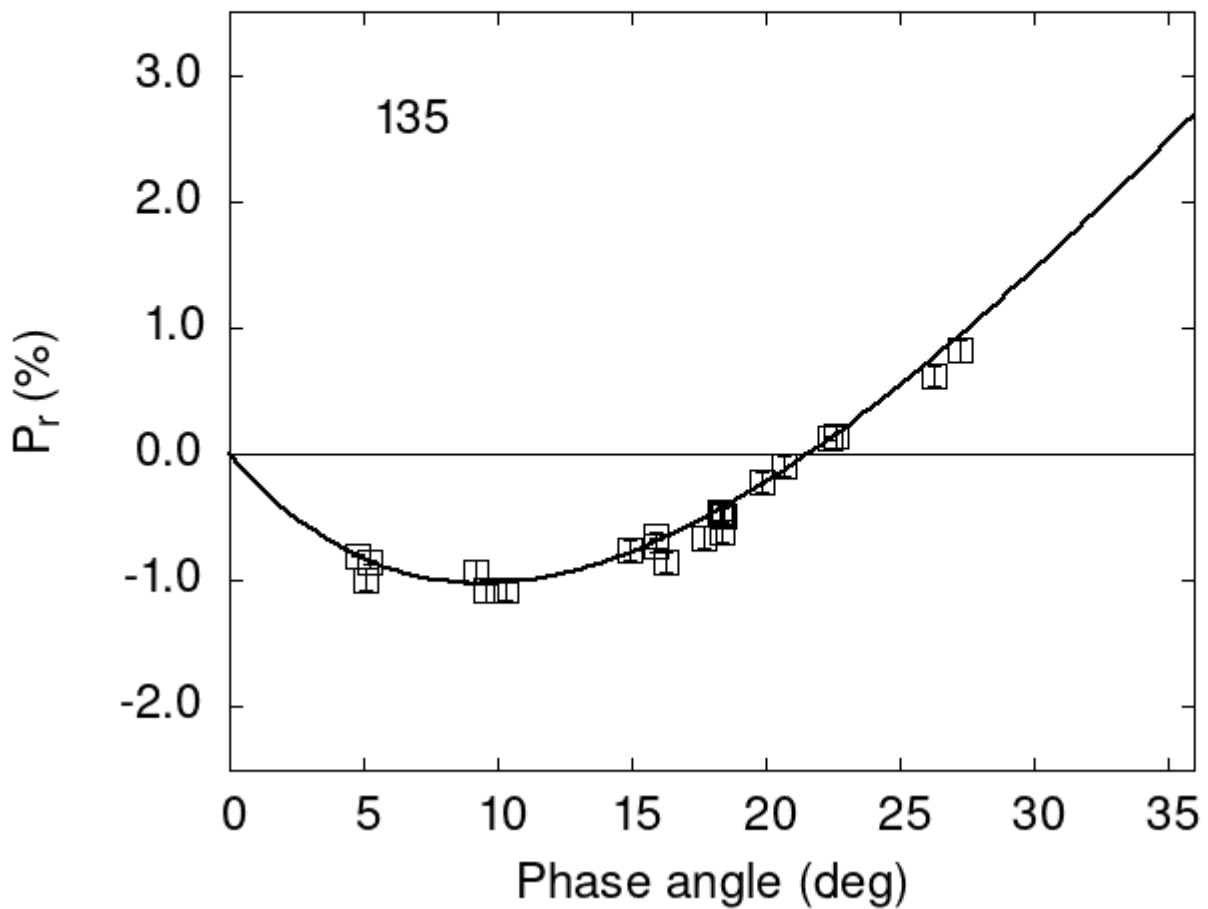


Catalogue of Asteroid Polarization Curves

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.

```
135 15.90 -0.73 0.05 V d
135 15.90 -0.64 0.03 R d
135 18.40 -0.62 0.07 V d
135 18.40 -0.48 0.05 R d
135 5.09 -0.99 0.09 V f
135 9.17 -0.93 0.10 V f
```

```

135  9.53 -1.08 0.09 V f
135 14.94 -0.76 0.08 V f
135 16.31 -0.85 0.08 V f
135 17.68 -0.66 0.09 V f
135 18.30 -0.45 0.09 V f
135 18.42 -0.49 0.08 V f
135 19.87 -0.22 0.08 V f
135 20.70 -0.10 0.08 V f
135 22.61  0.14 0.09 V f
135 26.26  0.62 0.08 V f
135 27.28  0.82 0.09 V f
135 22.40  0.13 0.01 V a
135  4.80 -0.80 0.01 V a
135  5.20 -0.85 0.02 V a
135 10.30 -1.08 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
#      6.8810    0.5202    13.8777    0.7358    0.2514    0.0136
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.43    1.31 -1.023    0.313 21.60    0.27 0.1468 0.0160

```