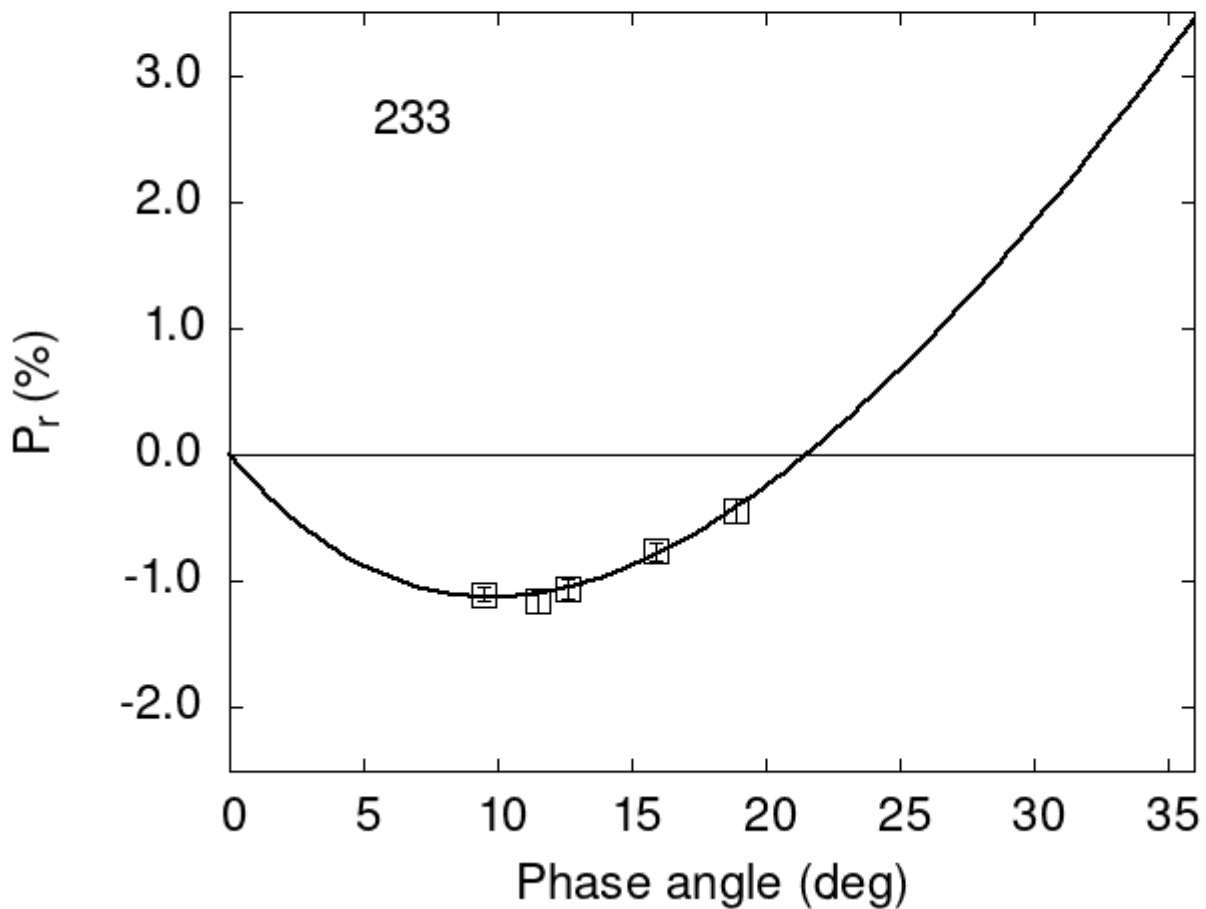


Catalogue of Asteroid Polarization Curves

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.

```
233 11.49 -1.16 0.09 V f
233 18.87 -0.44 0.09 V f
233 15.90 -0.76 0.07 V a
233 12.60 -1.06 0.08 V a
233 9.50 -1.10 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
# 12.7785    0.4262  19.9181    1.1109    0.3922    0.0150
#
#      Phmin   err   Pmin    err   Ph0     err    k      err
#      9.80   1.16 -1.122   0.308 21.50   0.23  0.1743  0.0167
```