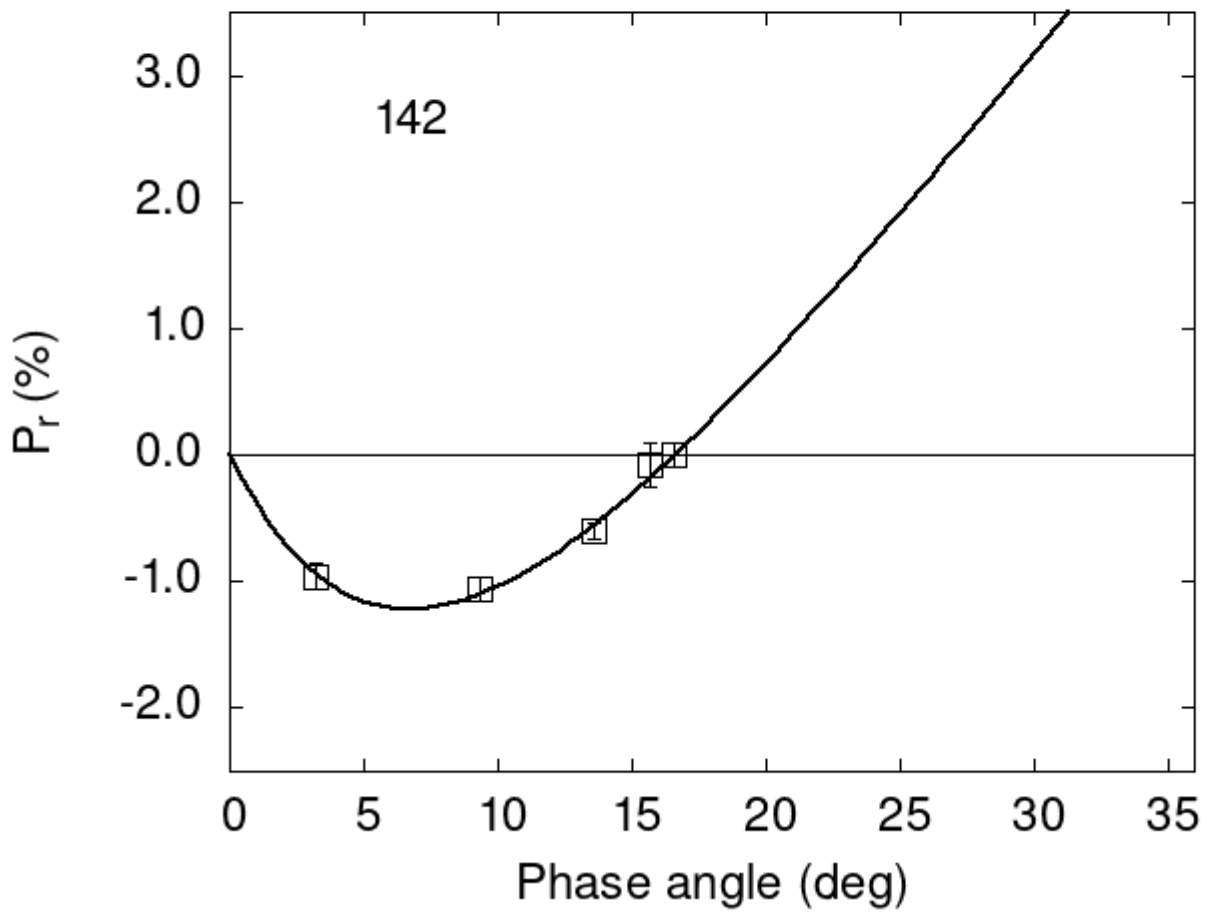


Catalogue of Asteroid Polarization Curves

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.

```
142 16.61 -0.00 0.09 V f
142  9.33 -1.06 0.09 V a
142 13.57 -0.60 0.06 V a
142 15.70 -0.08 0.17 V a
142  3.20 -0.96 0.10 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
#      4.8637    0.5979    6.9989    1.0266    0.2650    0.0267
#
#      Phmin    err    Pmin      err    Ph0      err      k      err
#      6.75    1.11 -1.221    0.488 16.64    0.20 0.2005 0.0307
```