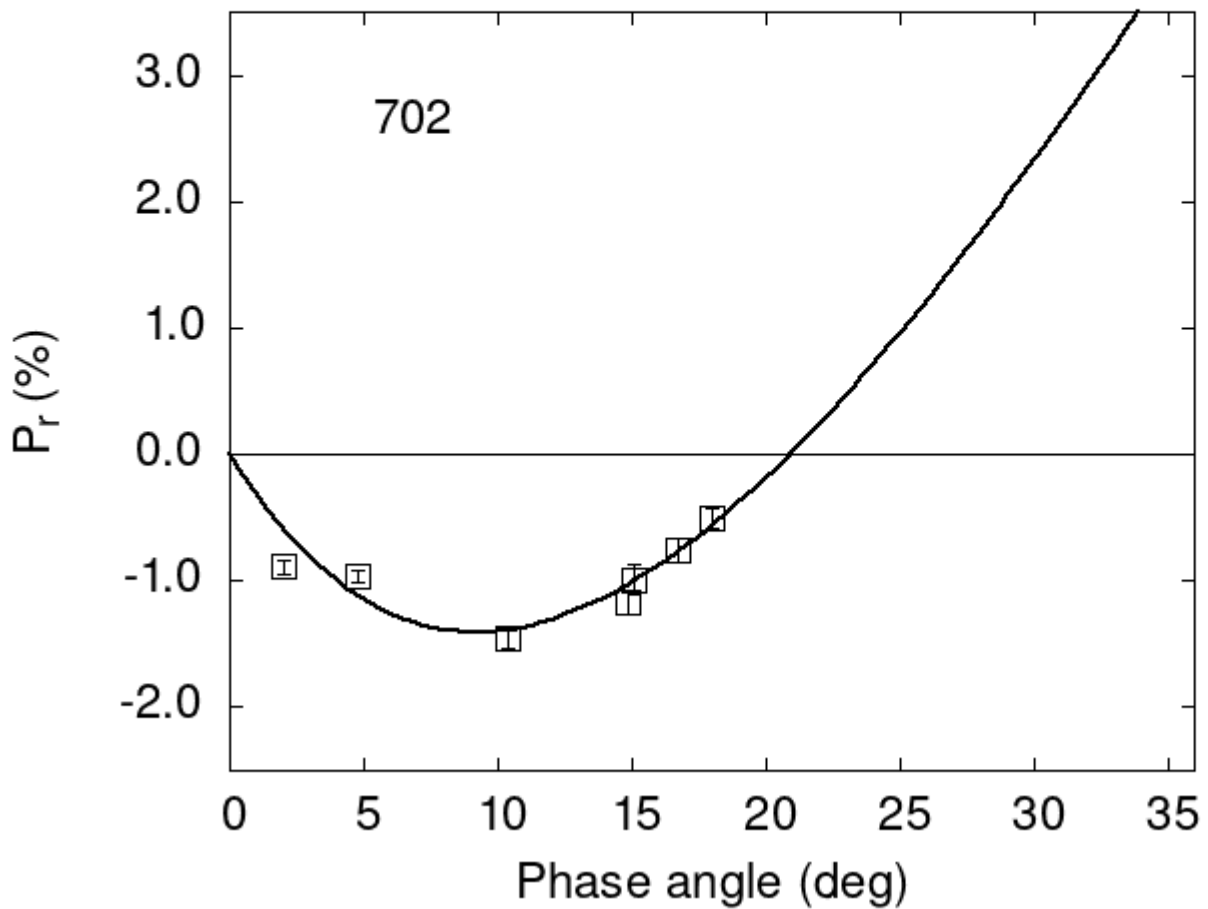


Catalogue of Asteroid Polarization Curves

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.

```
702 14.85 -1.17 0.09 V f
702 16.75 -0.76 0.09 V f
702 10.40 -1.45 0.08 V a
702 4.80 -0.96 0.05 V a
702 15.10 -0.99 0.12 V a
702 2.00 -0.89 0.06 V a
```

702 18.00 -0.51 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
# 10.3288  0.3984  14.3282  0.6227  0.3790  0.0114
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      9.21  0.74 -1.407  0.264 20.92  0.19 0.2115 0.0135
```