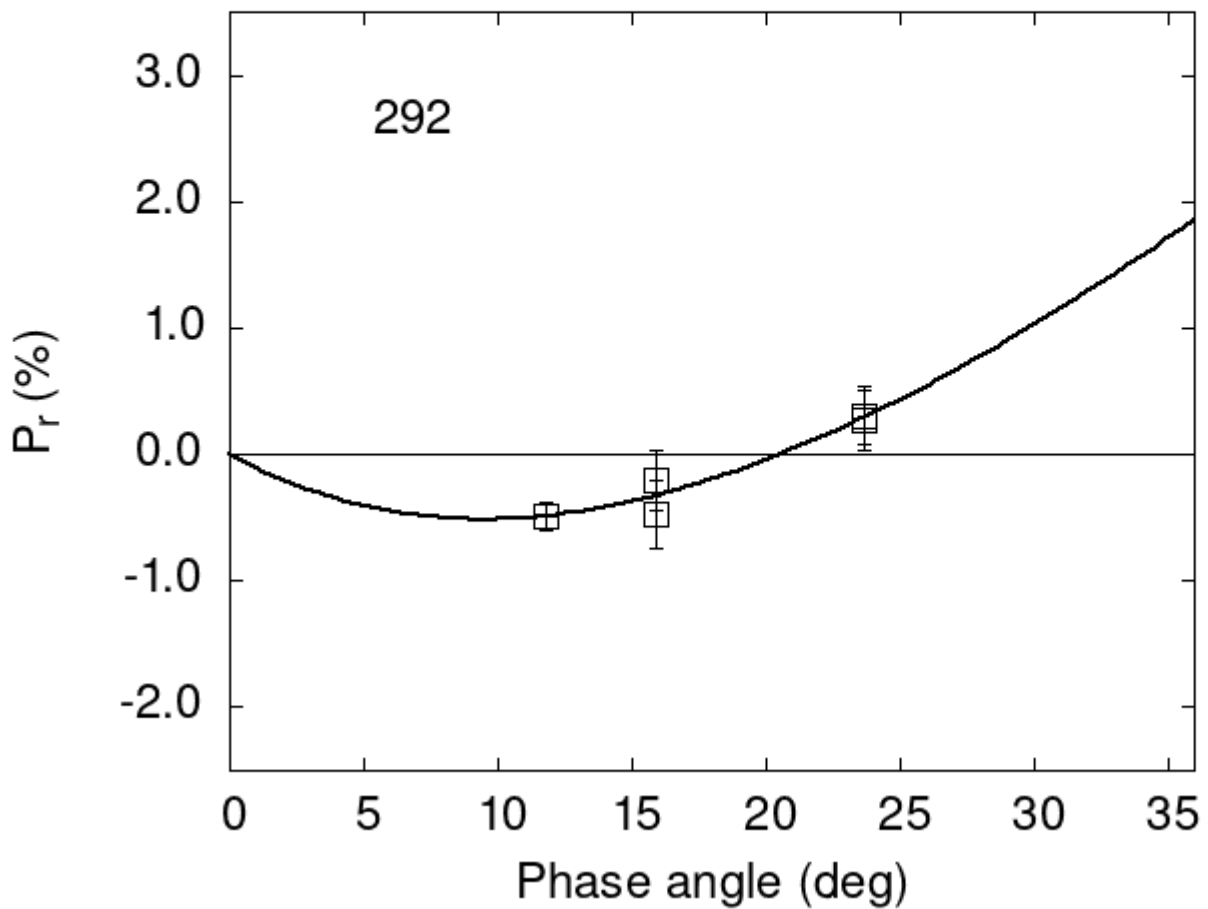


Catalogue of Asteroid Polarization Curves

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.

292	15.92	-0.20	0.24	V	f
292	15.92	-0.48	0.27	R	f
292	23.70	0.31	0.23	V	f
292	23.70	0.27	0.23	R	f
292	15.92	-0.20	0.24	V	b
292	15.92	-0.48	0.27	R	b

292 23.70 0.31 0.23 V b
 292 23.70 0.27 0.23 R b
 292 11.80 -0.49 0.11 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
#      6.7511    0.4029    20.9077    2.4031    0.2054    0.0152
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      9.45    2.38 -0.513    0.303    20.58    0.47 0.0848 0.0168
```