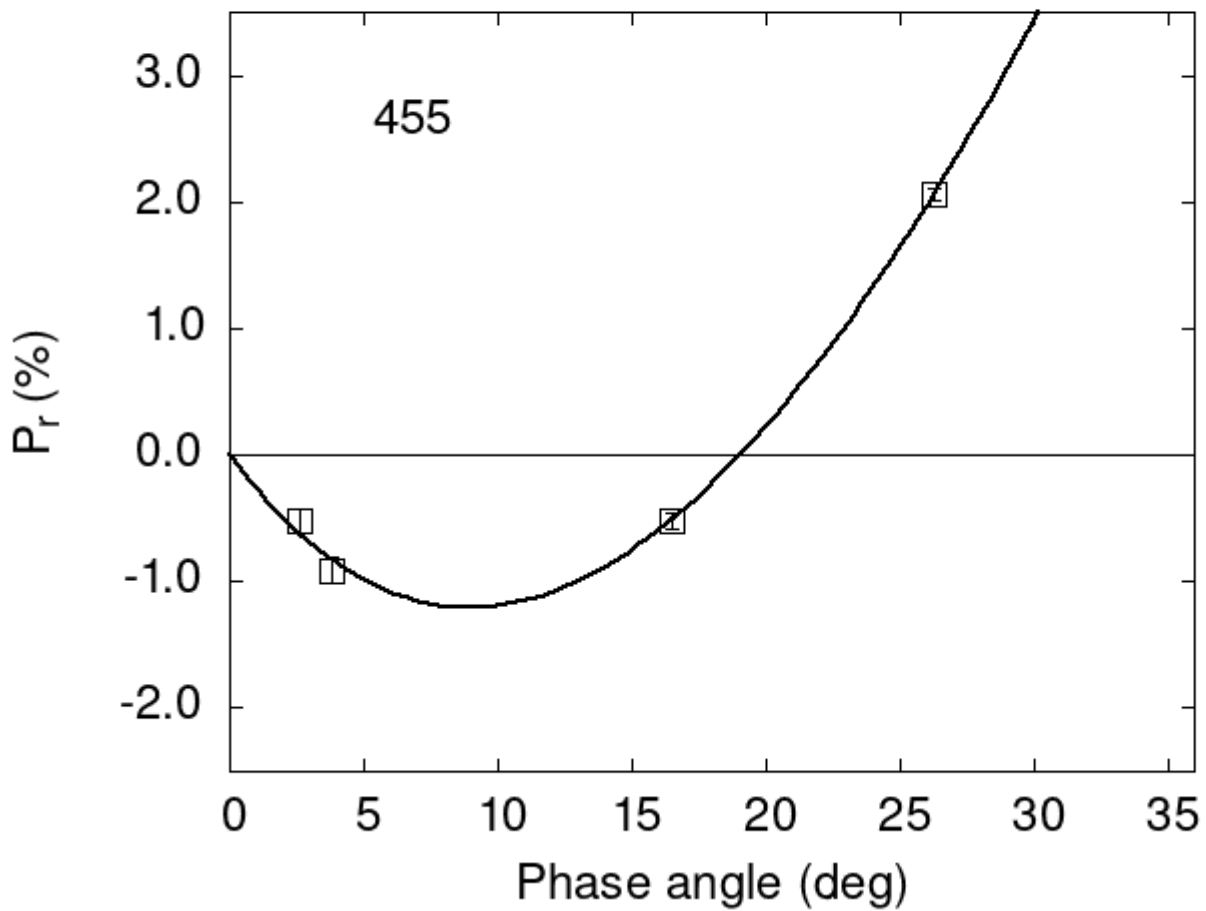


Catalogue of Asteroid Polarization Curves

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.

```
455  3.84 -0.91 0.10 V f
455 16.50 -0.52 0.06 V a
455 26.30  2.06 0.05 V a
455  2.60 -0.52 0.09 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
# 26.3096  0.8661  26.4774  0.8556  0.7082  0.0155
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      8.97  1.19 -1.208  0.351 19.06  0.18 0.2245 0.0227
```