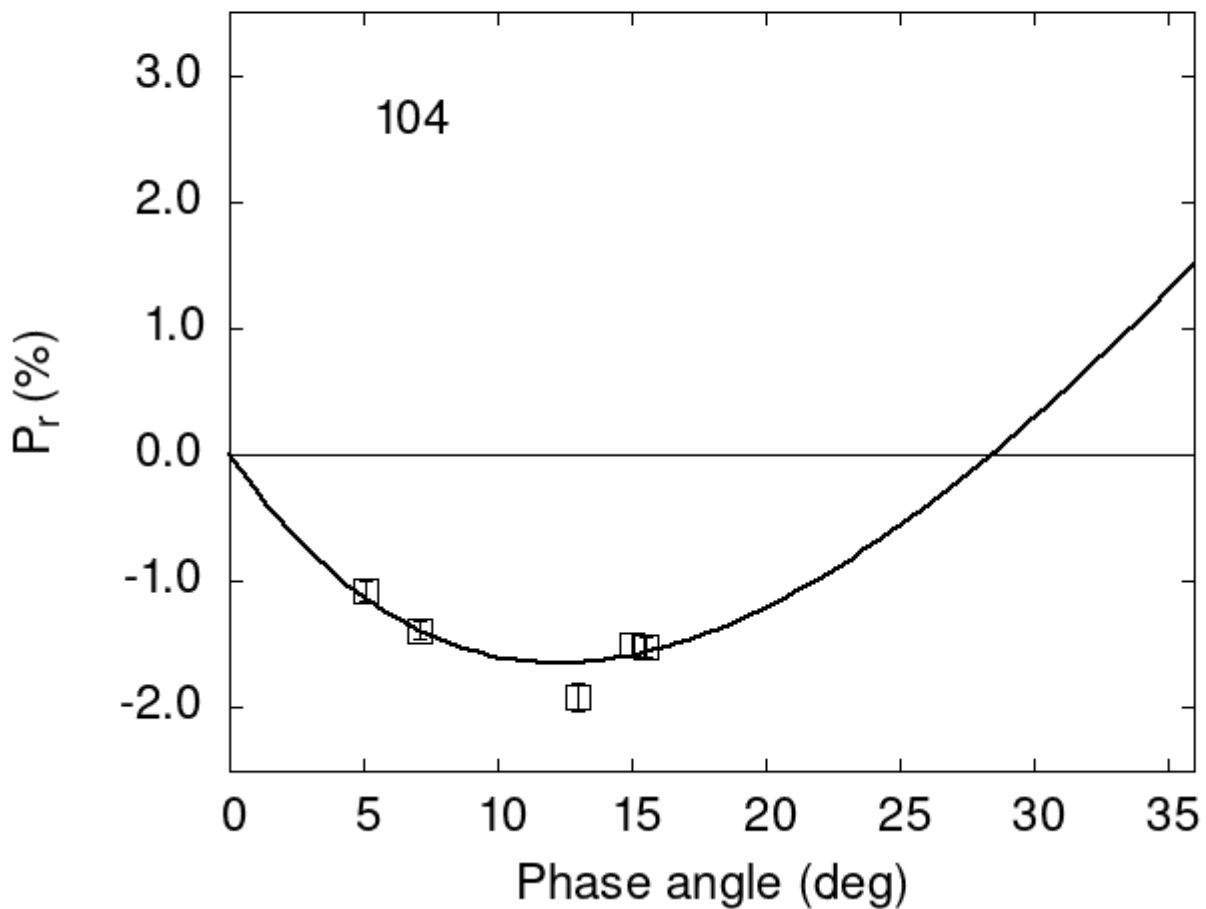


Catalogue of Asteroid Polarization Curves

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.

```
104  5.09 -1.08 0.08 V f
104 13.02 -1.91 0.11 V f
104 15.00 -1.50 0.10 V f
104 15.54 -1.52 0.08 V f
104  7.10 -1.39 0.07 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
# 10.2210  0.4057  17.2122  1.0476  0.2905  0.0176
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
# 12.30  1.28 -1.646  0.370 28.43  0.23 0.1767 0.0187
```