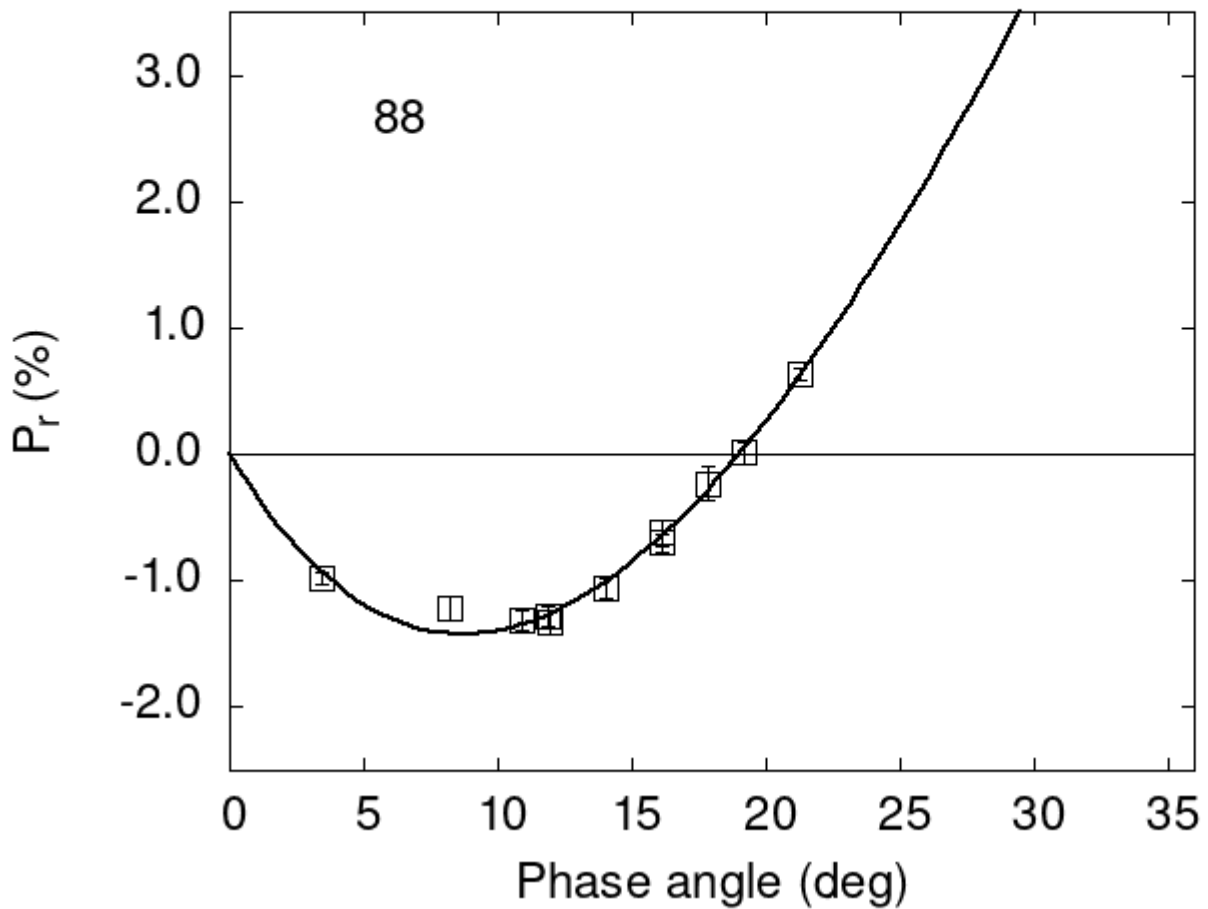


Catalogue of Asteroid Polarization Curves

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.

```
88 10.92 -1.31 0.08 V f
88 11.84 -1.28 0.08 V f
88 11.92 -1.33 0.09 V f
88 14.02 -1.06 0.08 V f
88 17.83 -0.23 0.13 V f
88 19.22 0.01 0.09 V f
```

```

88 3.40 -0.98 0.05 V a
88 16.10 -0.62 0.10 V a
88 16.10 -0.70 0.07 R a
88 21.30 0.63 0.05 V a
88 8.20 -1.22 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
# 17.9794  0.6308  18.8565  0.5693  0.6003  0.0150
#
#      Phmin   err   Pmin   err   Ph0   err   k      err
#      8.72  0.87 -1.422  0.311 19.02  0.16 0.2526 0.0193

```