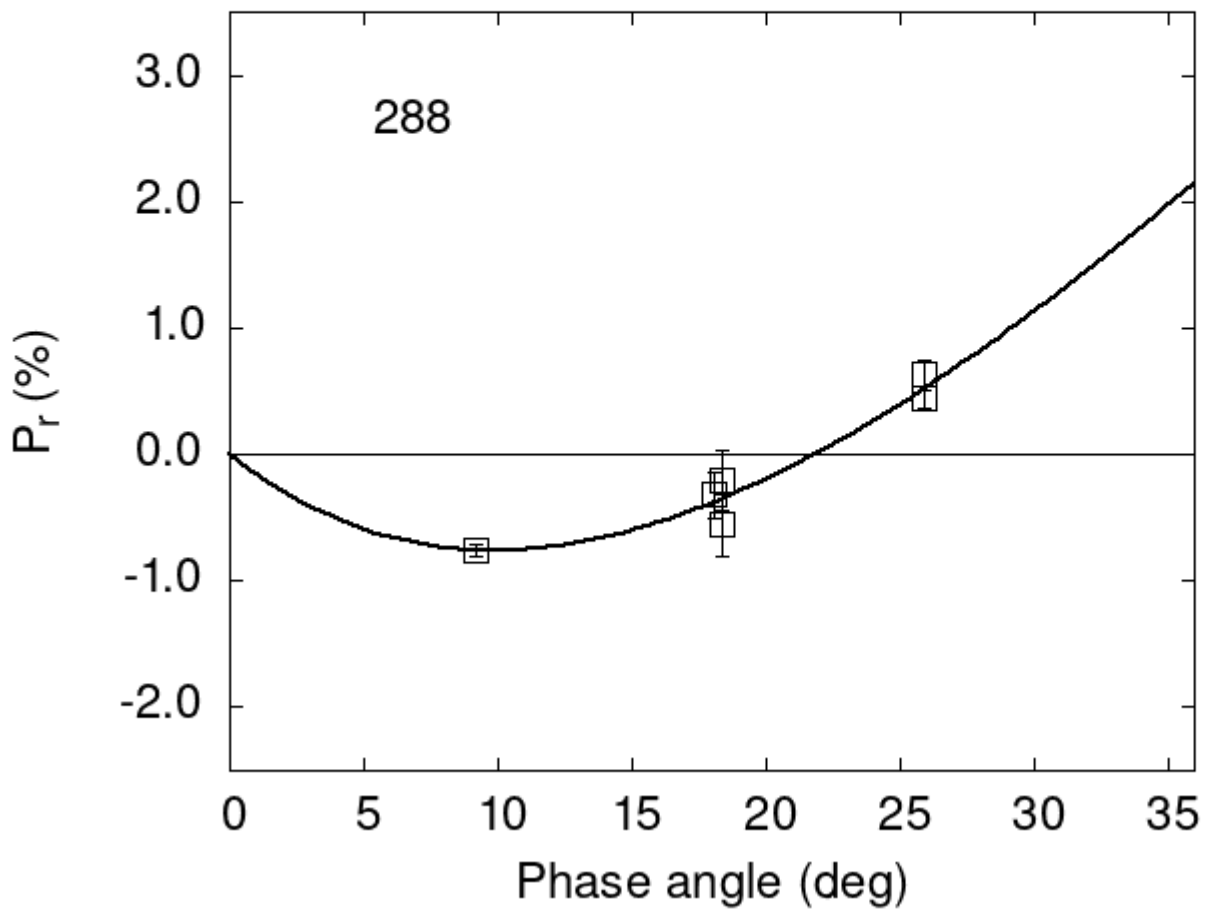


Catalogue of Asteroid Polarization Curves

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.

```
288  9.20 -0.76 0.05 V f
288 18.36 -0.56 0.25 V f
288 18.36 -0.20 0.24 R f
288 25.93  0.63 0.12 V f
288 25.93  0.45 0.09 R f
288  9.20 -0.76 0.05 V a
```

```

288 18.10 -0.32 0.18 V a
288 25.93 0.63 0.12 V b
288 25.93 0.45 0.09 R b
288 18.36 -0.56 0.25 V b
288 18.36 -0.20 0.24 R b

```

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
#      7.4534    0.1997    18.2945    0.6700    0.2377    0.0050
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.86    0.70 -0.762    0.129 21.86    0.35 0.1143 0.0061

```