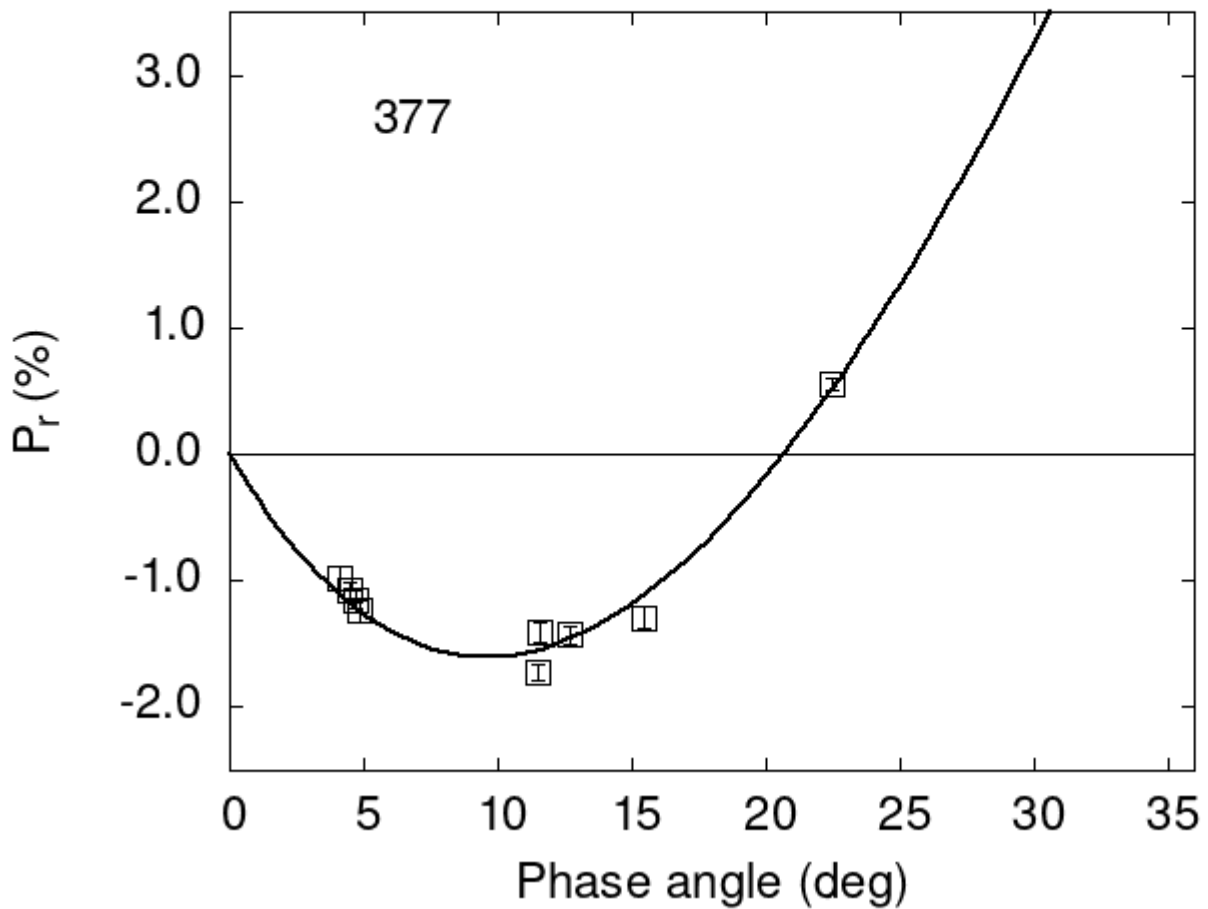


Catalogue of Asteroid Polarization Curves

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.

```
377 4.08 -0.98 0.10 V f
377 4.84 -1.24 0.09 V f
377 15.46 -1.29 0.09 V f
377 11.50 -1.72 0.06 V a
377 22.50 0.55 0.05 V a
377 12.70 -1.43 0.07 V a
```

```

377 4.70 -1.15 0.07 V a
377 11.60 -1.41 0.08 V a
377 4.50 -1.08 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
# 25.2997  0.9368  23.5732  0.6618  0.7145  0.0164
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      9.59  1.10 -1.604  0.400 20.69  0.15 0.2682 0.0234

```