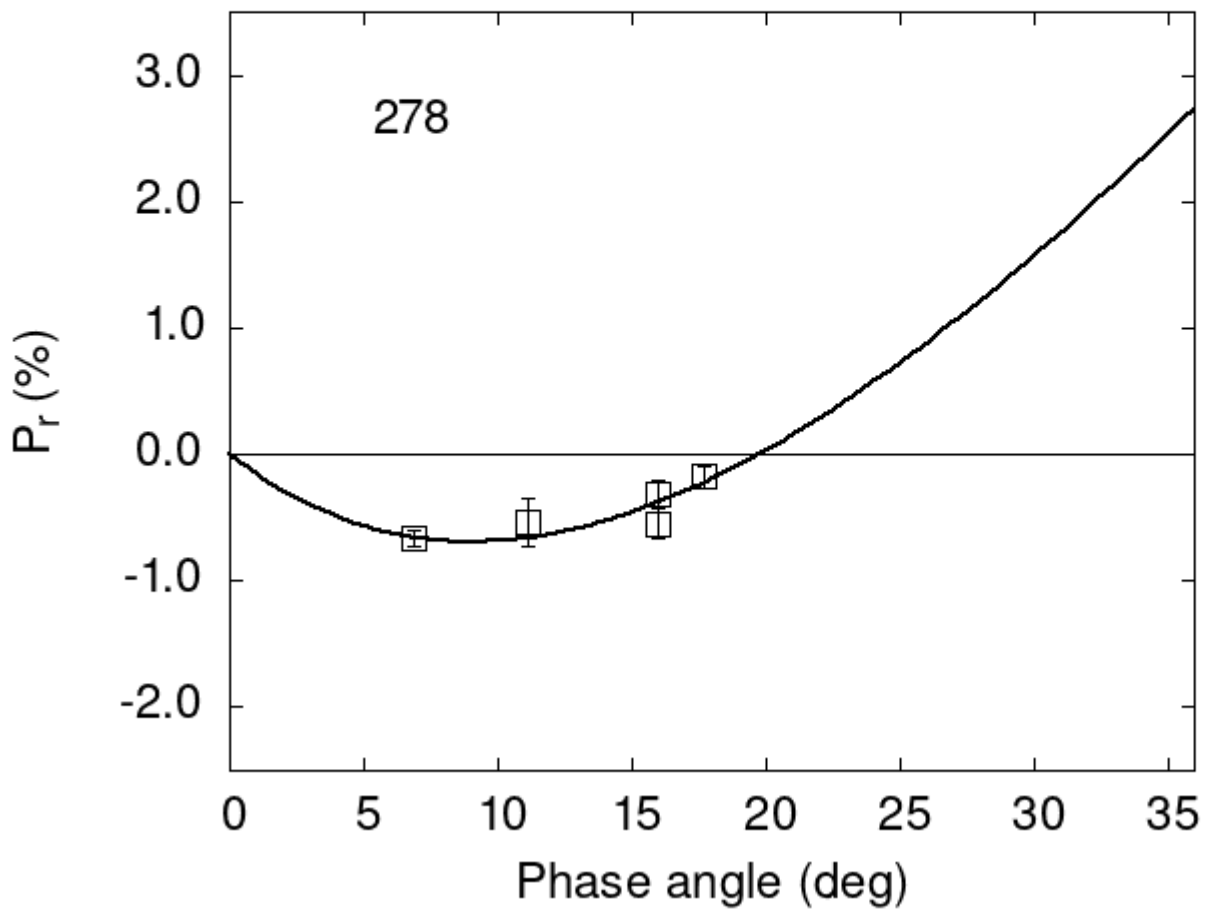


Catalogue of Asteroid Polarization Curves

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.

```
278 17.71 -0.18 0.09 V f
278 16.00 -0.55 0.12 V f
278 16.00 -0.31 0.10 R f
278 16.00 -0.55 0.12 V b
278 16.00 -0.31 0.10 R b
278 11.10 -0.53 0.19 V h
```

278 6.90 -0.66 0.06 V h

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
#      8.3479    0.4351    19.0277    1.1473     0.2728    0.0154
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.04    1.58 -0.691    0.262  19.77  0.34  0.1176  0.0174
```