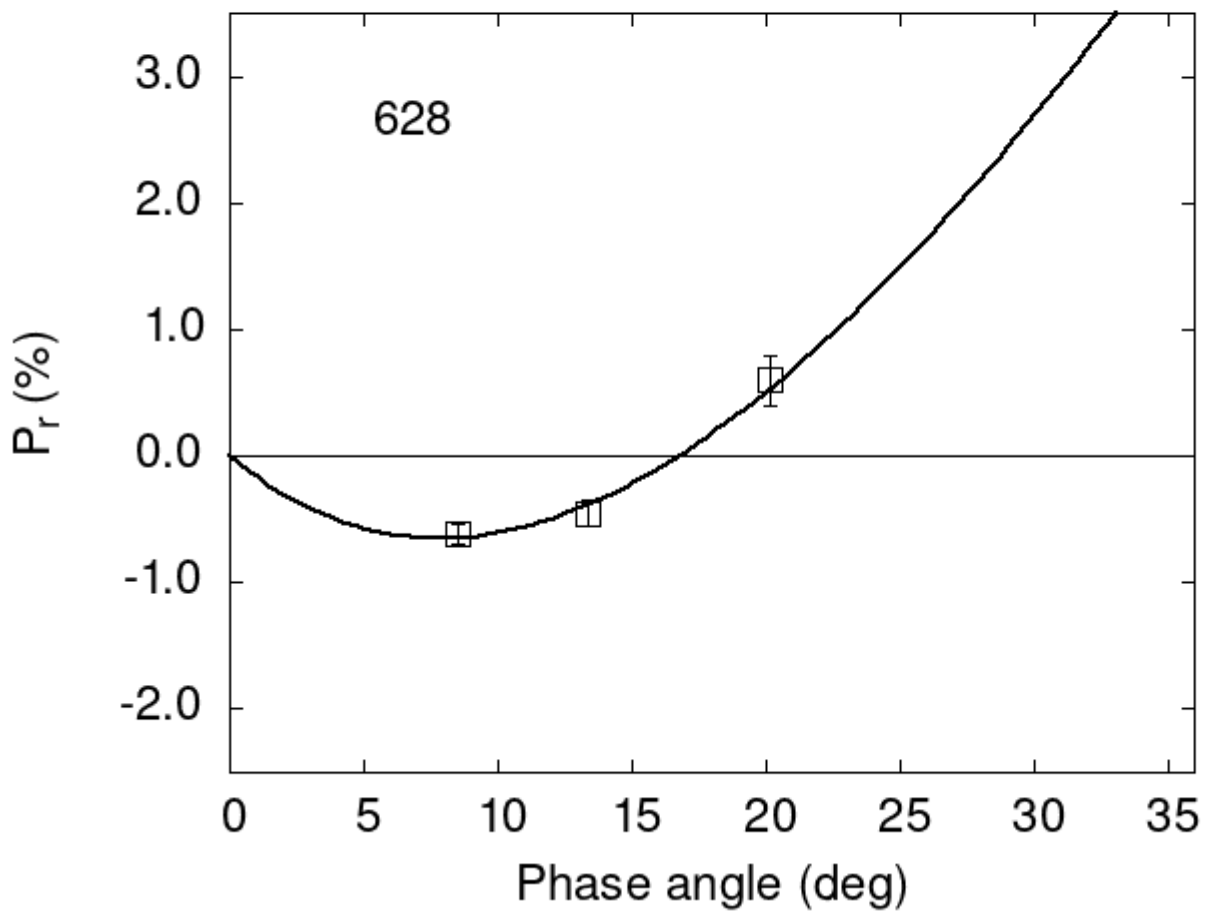


Catalogue of Asteroid Polarization Curves

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.

```
628  8.48 -0.62 0.08 V f
628 13.39 -0.45 0.10 V f
628 20.16  0.60 0.20 V f
```

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
# 11.9804  0.6519  20.9968  1.7834  0.3927  0.0260
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#       7.84  2.12 -0.654  0.389 16.80  0.29 0.1363 0.0299
```