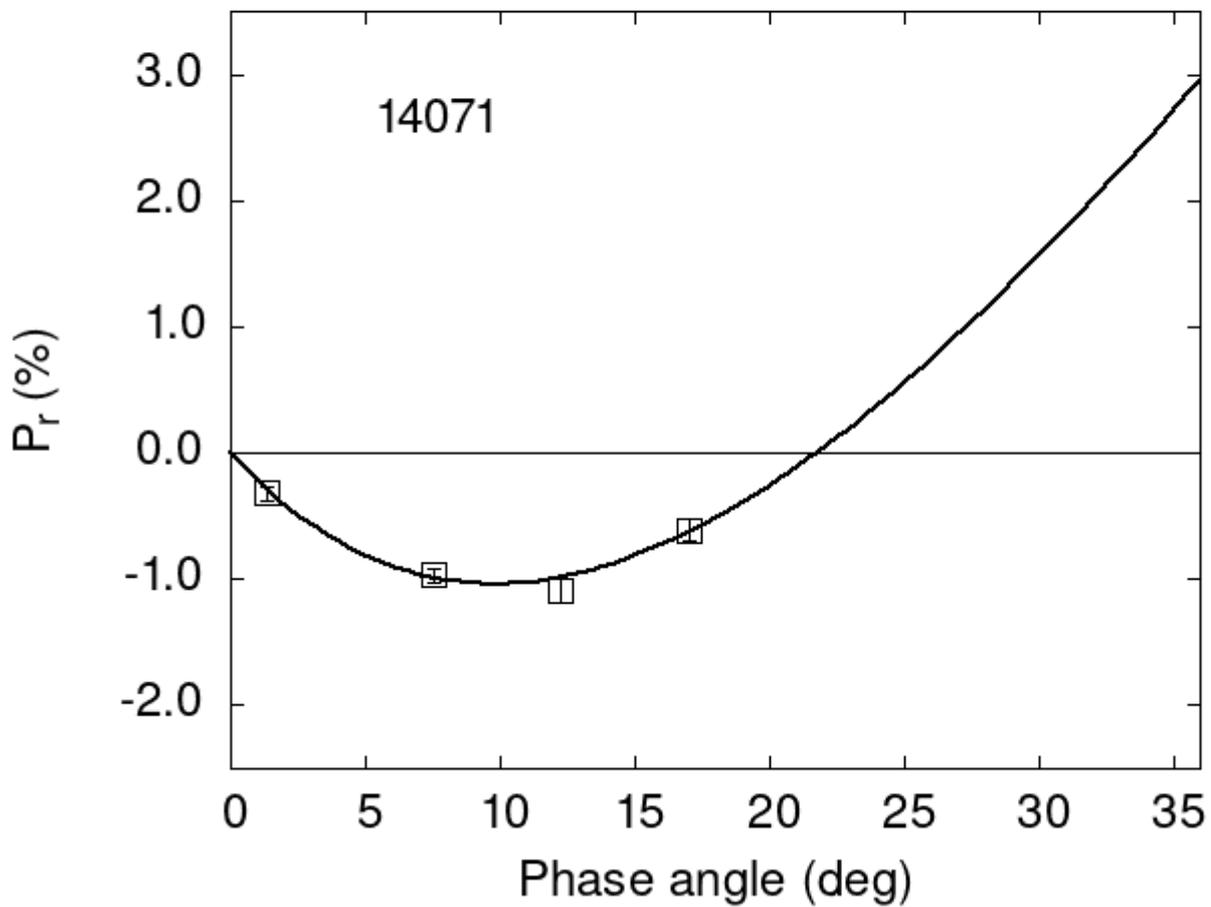


Catalogue of Asteroid Polarization Curves

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.

```
14071  1.35 -0.32 0.06 V a
14071  7.57 -0.97 0.05 V a
14071 12.24 -1.09 0.10 V a
14071 17.02 -0.61 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
# 10.0185    0.4255  18.0447    1.2229    0.3224    0.0168
#
#      Phmin    err  Pmin    err  Ph0    err    k      err
#      9.81    1.34 -1.038  0.324 21.78  0.26 0.1563 0.0184
```