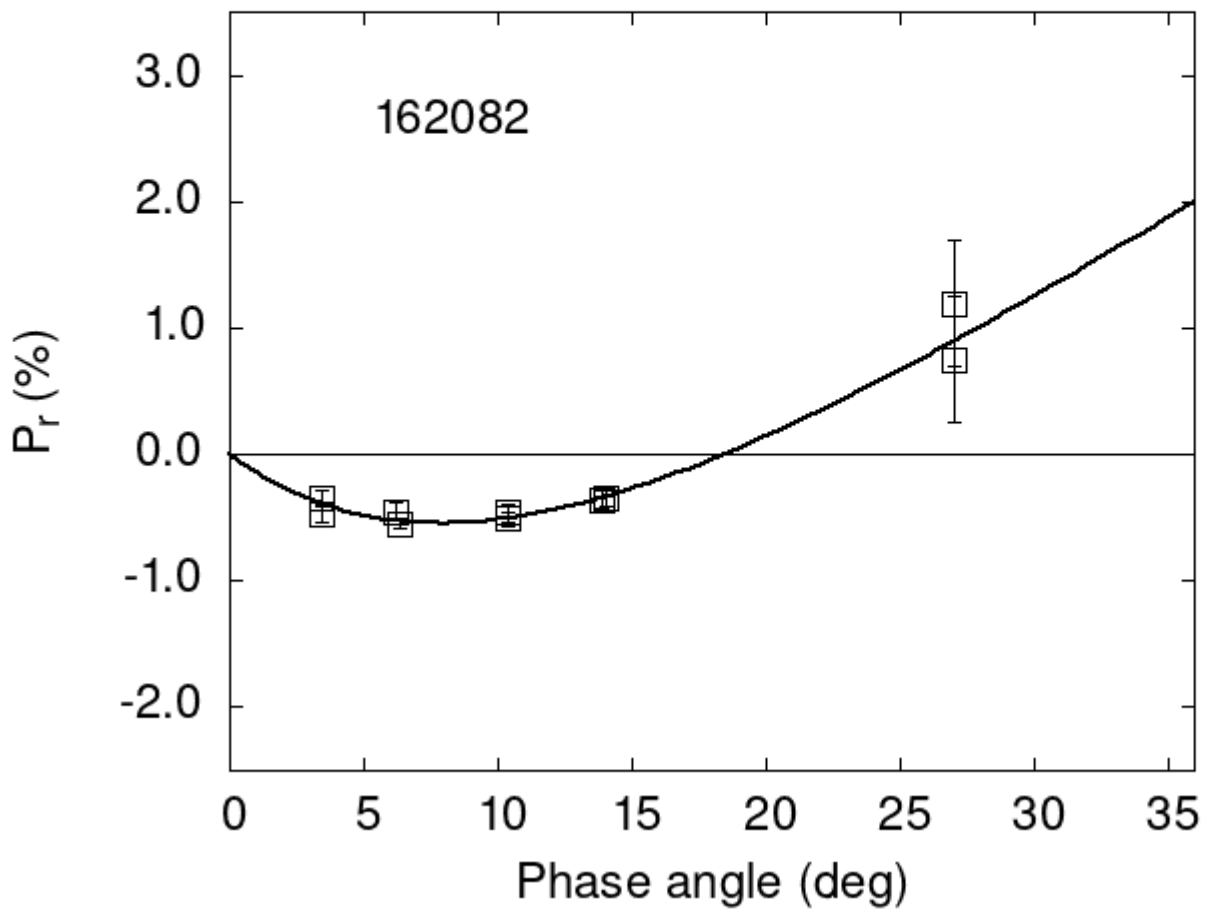


Catalogue of Asteroid Polarization Curves

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.

162082	14.07	-0.35	0.06	R	a
162082	13.88	-0.36	0.07	V	a
162082	6.35	-0.55	0.04	R	a
162082	6.23	-0.45	0.07	V	a
162082	3.46	-0.34	0.06	V	a
162082	3.47	-0.47	0.06	R	a

```

162082 10.38 -0.46 0.07 V a
162082 10.38 -0.51 0.06 R a
162082 27.06 1.19 0.50 V a
162082 27.06 0.75 0.50 R 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
#      3.0616    0.3796    10.3490    0.8858     0.1379    0.0166
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      7.90    1.80 -0.545    0.259  18.46    0.45  0.0882  0.0181

```