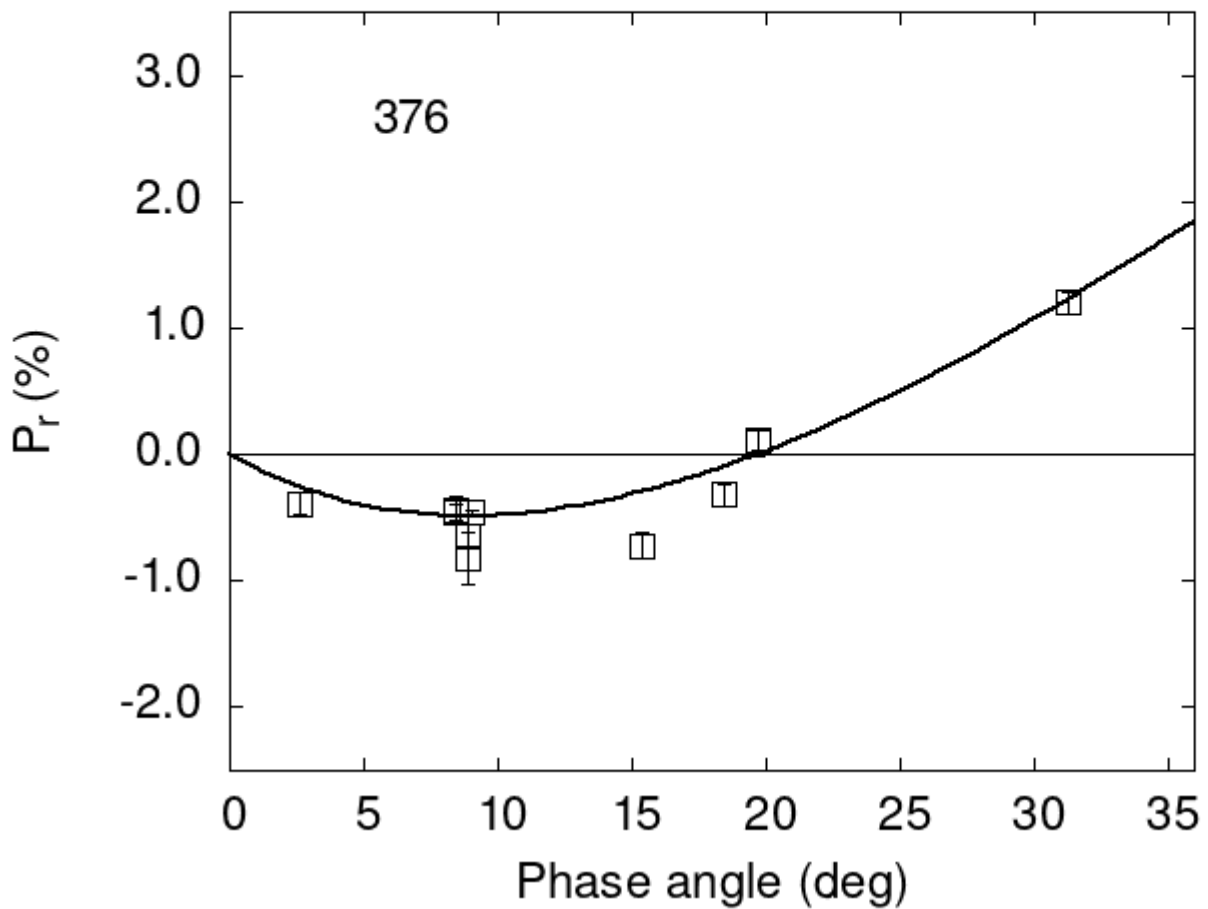


Catalogue of Asteroid Polarization Curves

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.

376	2.58	-0.39	0.09	V	f
376	18.43	-0.32	0.09	V	f
376	19.70	0.11	0.08	V	f
376	19.70	0.10	0.11	R	f
376	8.47	-0.46	0.06	V	f
376	8.47	-0.44	0.11	R	f

```

376 8.87 -0.82 0.20 V f
376 8.87 -0.64 0.09 R f
376 9.00 -0.46 0.02 V a
376 31.30 1.20 0.09 V a
376 15.40 -0.72 0.10 V a
376 8.86 -0.82 0.20 V b
376 8.86 -0.64 0.09 R b
376 8.47 -0.46 0.06 V b
376 8.47 -0.44 0.11 R b
376 19.70 0.11 0.08 V b
376 19.70 0.10 0.11 R b

```

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
#      4.8173      0.4297      16.6369      1.1198      0.1696      0.0097
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      8.90      1.84      -0.486      0.222      19.71      0.49      0.0811      0.0125

```