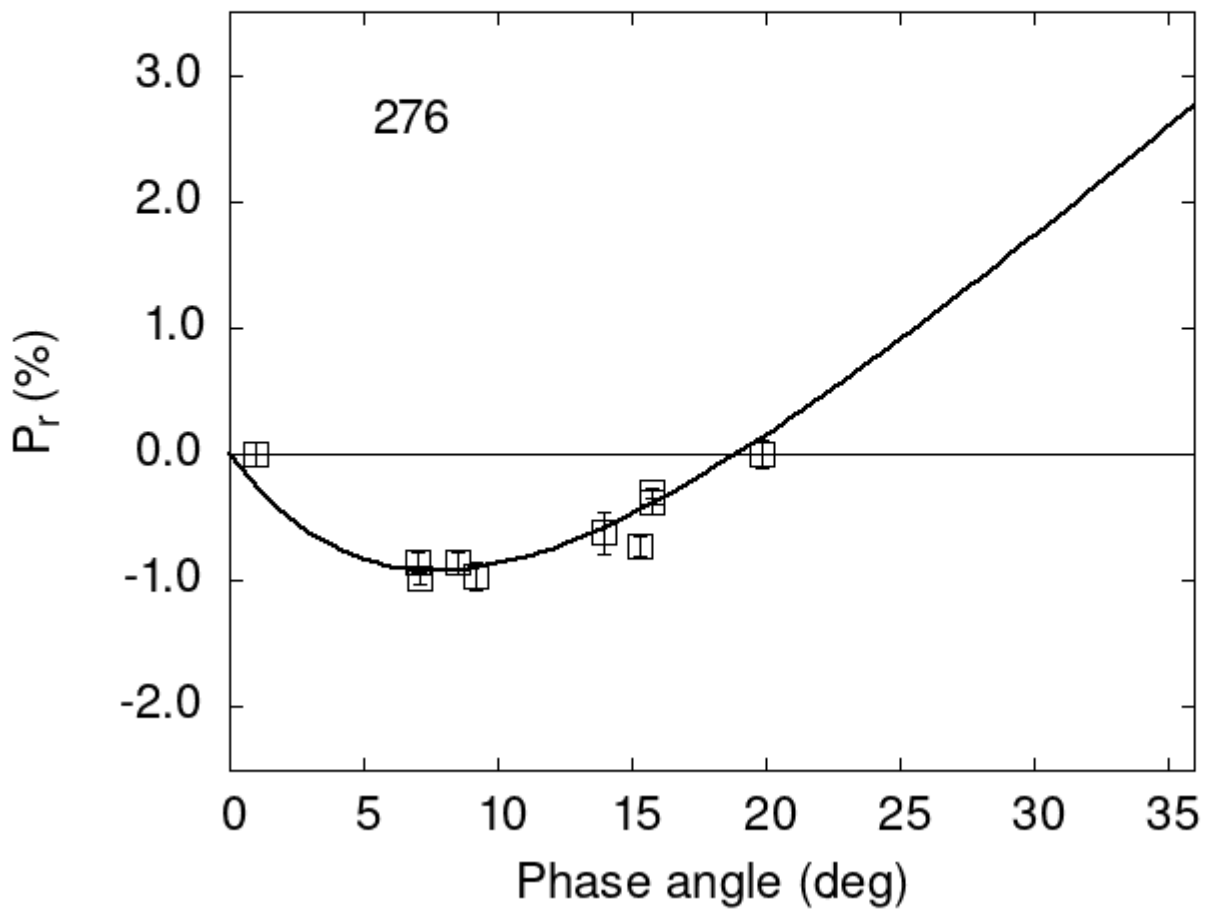


# Catalogue of Asteroid Polarization Curves

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.

276	0.96	0.00	0.09	V	f
276	8.49	-0.86	0.09	V	f
276	9.15	-0.96	0.11	V	f
276	13.93	-0.62	0.17	V	f
276	15.74	-0.38	0.09	V	f
276	7.00	-0.86	0.08	V	a

276 7.10 -0.98 0.05 V a  
 276 19.90 0.00 0.11 V a  
 276 15.30 -0.73 0.08 V a  
 276 15.74 -0.30 0.04 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  $\alpha$  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
#      3.7997      0.3037      8.2077      0.5982      0.1807      0.0130
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      7.72      0.88      -0.921      0.234      18.92      0.30      0.1345      0.0142
```