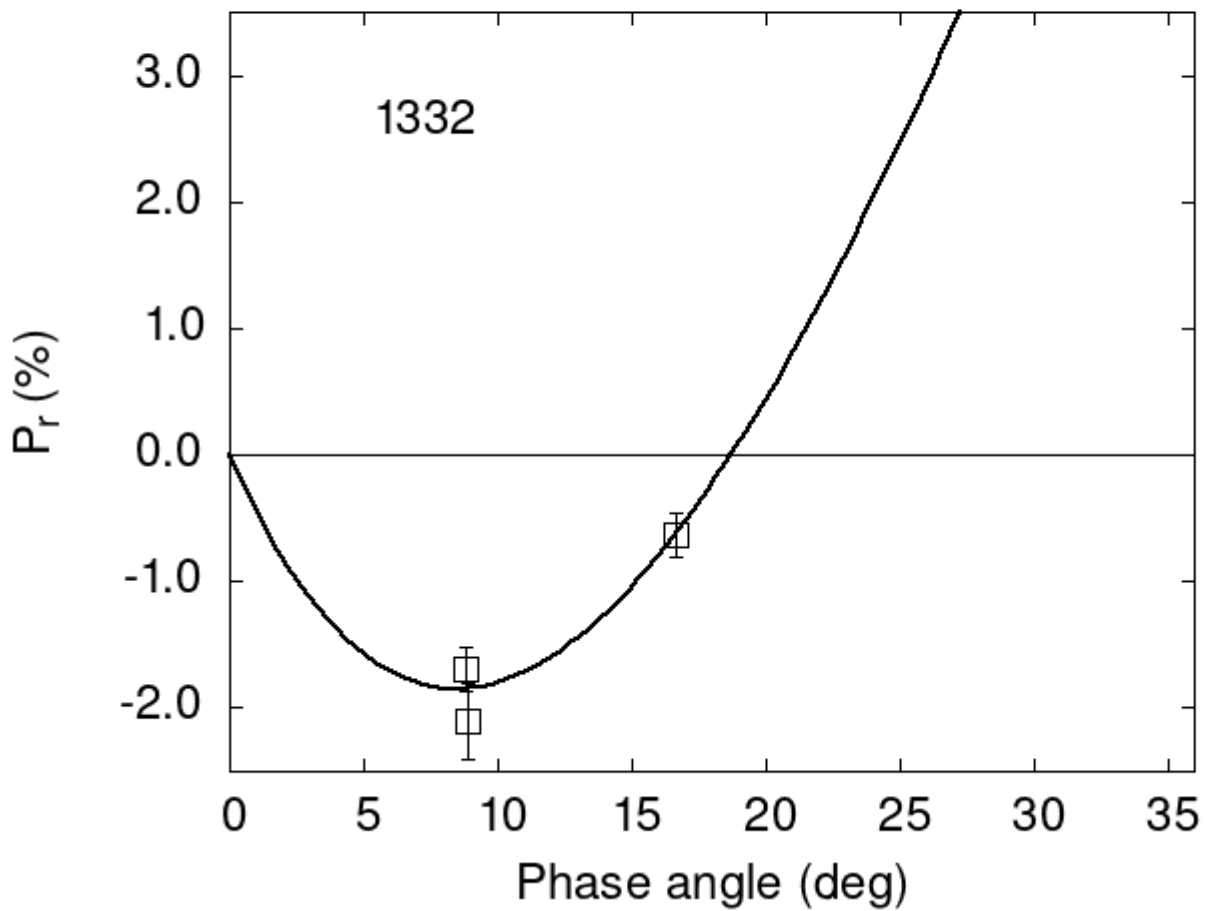


# Catalogue of Asteroid Polarization Curves

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.

1332	8.82	-1.69	0.17	V	f
1332	8.90	-2.10	0.31	V	f
1332	16.64	-0.63	0.17	V	a
1332	8.90	-2.10	0.30	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
# 19.1960  0.2526 16.3010  1.2675  0.7000  0.0345
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      8.48  1.03 -1.850  0.556 18.73  0.12 0.3268 0.0351
```