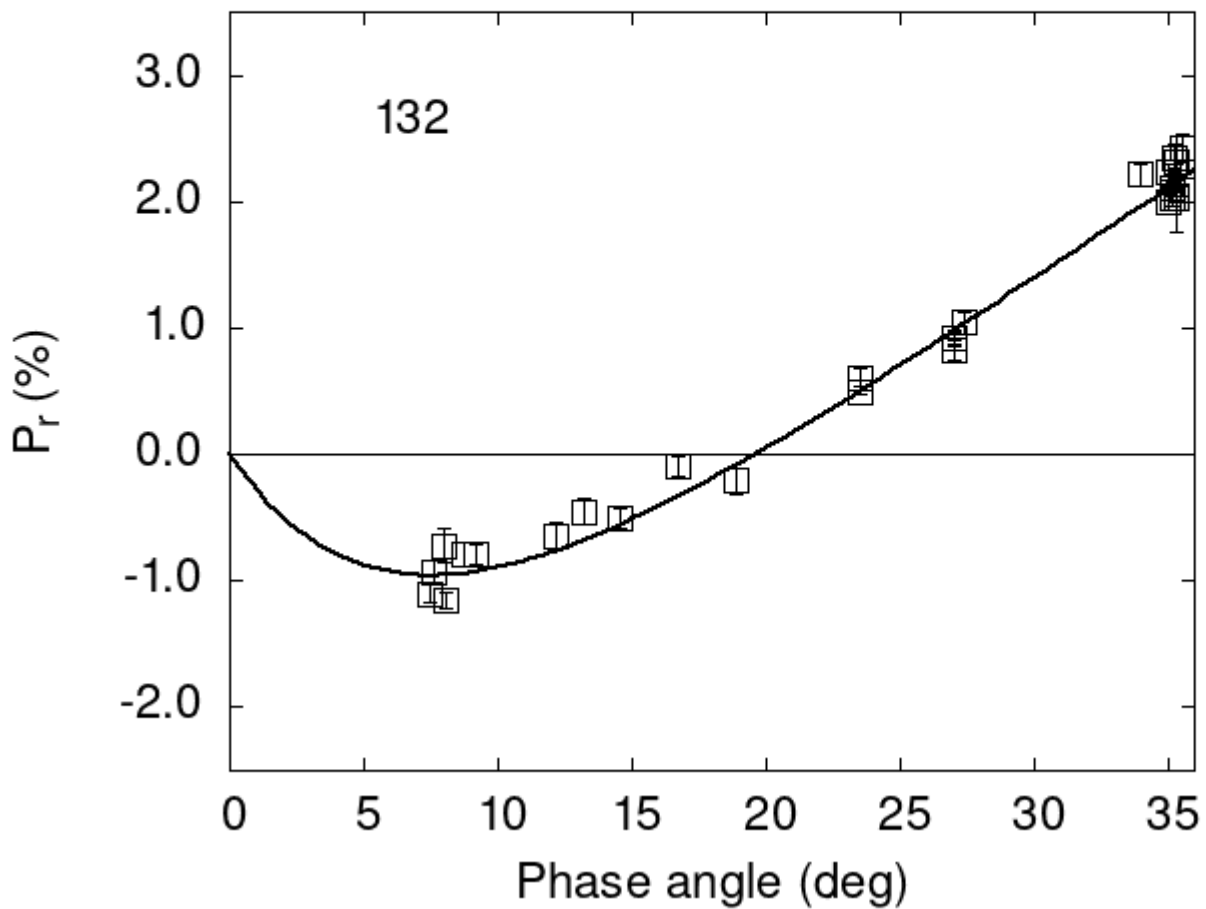


Catalogue of Asteroid Polarization Curves

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.

132	7.62	-0.93	0.10	V	f
132	8.01	-0.72	0.13	V	f
132	8.71	-0.79	0.10	V	f
132	9.19	-0.79	0.08	V	f
132	12.20	-0.65	0.11	V	f
132	13.20	-0.45	0.11	V	f

```

132 14.60 -0.50 0.08 V f
132 18.87 -0.21 0.10 V f
132 33.99 2.21 0.08 V f
132 27.00 0.92 0.06 V f
132 27.00 0.83 0.08 R f
132 27.39 1.04 0.09 V f
132 35.06 2.23 0.06 V f
132 35.06 2.00 0.06 R f
132 35.16 2.10 0.06 V f
132 35.16 2.02 0.05 R f
132 35.26 2.34 0.11 V f
132 35.26 2.34 0.07 R f
132 35.36 2.03 0.27 V f
132 35.36 2.31 0.21 R f
132 35.55 2.42 0.11 V f
132 35.55 2.09 0.05 R f
132 7.50 -1.10 0.07 V a
132 8.10 -1.15 0.06 V a
132 16.70 -0.10 0.08 V a
132 35.55 2.42 0.11 V b
132 35.55 2.09 0.05 R b
132 35.36 2.03 0.27 V b
132 35.36 2.31 0.21 R b
132 35.26 2.34 0.11 V b
132 35.26 2.34 0.07 R b
132 35.16 2.10 0.06 V b
132 35.16 2.02 0.05 R b
132 35.06 2.23 0.06 V b
132 35.06 2.00 0.06 R b
132 27.39 1.04 0.09 V b
132 27.00 0.92 0.05 V b
132 27.00 0.83 0.08 R b
132 23.54 0.61 0.07 V b
132 23.54 0.49 0.02 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
#      3.0052      0.1069      6.5546      0.4425      0.1454      0.0031
#
#

```

#	Phmin	err	Pmin	err	Ph0	err	k	err
#	7.53	0.28	-0.957	0.106	19.62	0.33	0.1225	0.0045