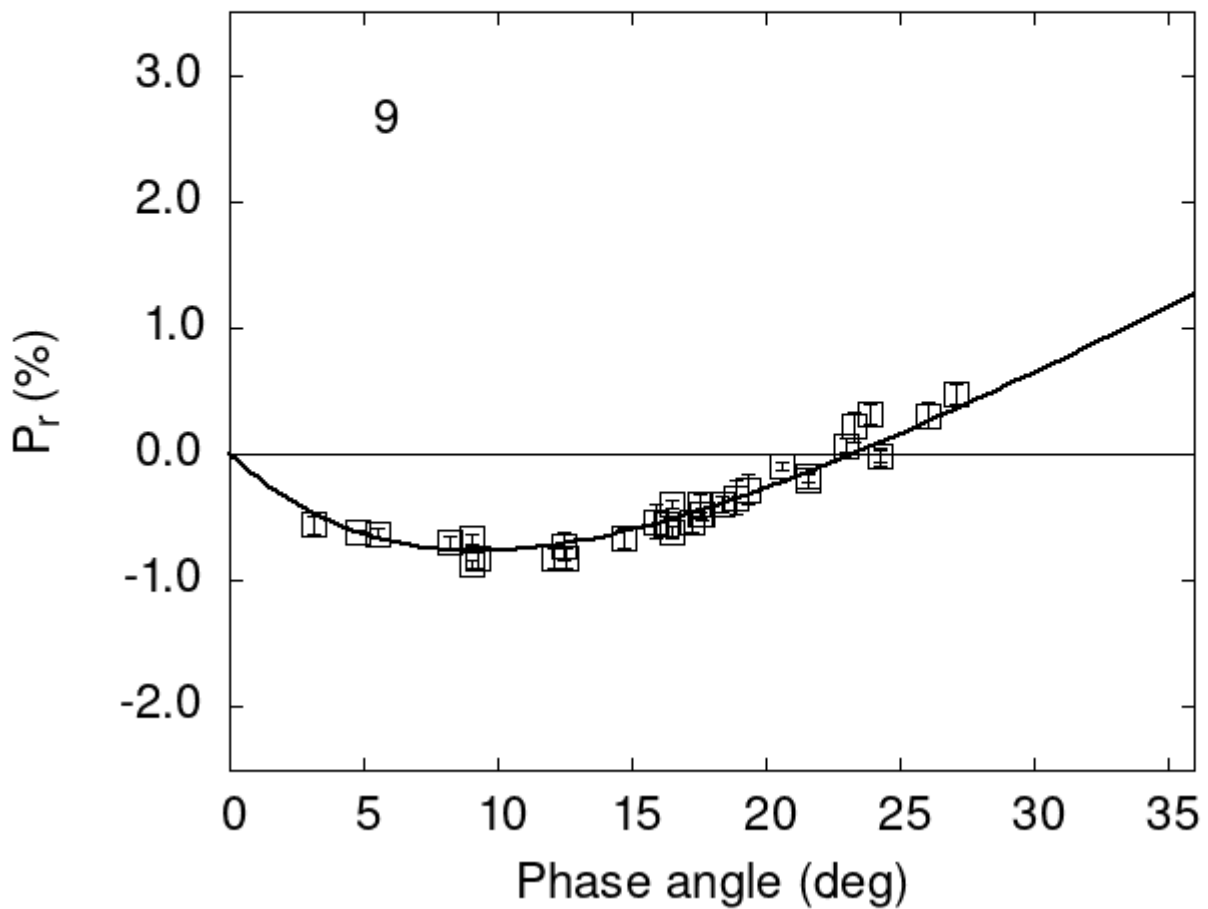


Catalogue of Asteroid Polarization Curves

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.

```
9  9.26 -0.82 0.08 V f
9 12.12 -0.82 0.08 V f
9 12.55 -0.82 0.08 V f
9 14.69 -0.67 0.08 V f
9 16.25 -0.55 0.09 V f
9 17.25 -0.53 0.09 V f
```

```

9 23.90  0.32 0.08 V f
9 26.10  0.31 0.10 V f
9 27.12  0.47 0.08 V f
9  8.18 -0.69 0.05 V f
9  9.00 -0.67 0.04 V f
9  9.00 -0.87 0.03 R f
9 16.51 -0.40 0.03 V f
9 16.51 -0.62 0.05 R f
9 17.55 -0.39 0.07 V f
9 17.55 -0.48 0.02 R f
9 21.60 -0.21 0.05 V f
9 21.60 -0.18 0.04 R f
9 24.29 -0.02 0.07 V f
9 24.29 -0.01 0.05 R f
9 12.44 -0.73 0.11 G a
9 15.89 -0.53 0.14 G a
9 17.61 -0.47 0.05 G a
9 18.37 -0.39 0.06 G a
9 18.86 -0.34 0.14 G a
9 19.32 -0.28 0.12 G a
9 23.30  0.22 0.12 G a
9  5.55 -0.63 0.04 G a
9 20.60 -0.09 0.03 G a
9 23.04  0.07 0.06 G a
9  3.10 -0.56 0.07 V a
9  4.80 -0.61 0.01 V a
9 17.55 -0.39 0.07 V b
9 17.55 -0.48 0.02 R b
9 16.51 -0.40 0.03 V b
9 16.51 -0.62 0.05 R b
9  8.18 -0.69 0.05 V b
9  9.00 -0.67 0.04 V b
9  9.00 -0.87 0.03 R b
9 21.60 -0.21 0.05 V b
9 21.60 -0.18 0.04 R b
9 24.29 -0.02 0.07 V b
9 24.29 -0.01 0.05 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		
#	2.8552	0.2600	9.2342	0.7191	0.1128	0.0086		
#								
#	Phmin	err	Pmin	err	Ph0	err	k	err
#	9.31	1.10	-0.764	0.201	23.28	0.45	0.0879	0.0094