	G knots	G coeffs	BP knots	BP coeffs	RP knots	RP coeffs
	4.01667	-2.79887909	4.01667	-2.32338865	4.01667	-2.47826261
	4.01667	-3.08151944	4.01667	-2.7347354	4.01667	-2.60799603
	4.01667	-2.84639276	4.01667	-3.17685799	4.01667	-2.57160952
	4.01667	-3.56581772	4.01667	-2.85931381	4.01667	-3.23730068
	5.0	-3.72691989	5.0	-3.06319467	5.0	-3.0577367
	6.0	-3.60270497	6.0	-3.03465194	6.0	-3.39917882
	7.0	-3.5436255	7.0	-3.24178883	7.0	-3.39272922
	7.5	-3.55291006	8.0	-3.21522612	8.0	-3.48046476
	8.0	-3.69643657	9.0	-3.20568965	9.0	-3.2825215
	8.5	-3.64899144	10.0	-3.02017022	10.0	-3.32760274
	9.0	-3.67061528	11.0	-3.08397926	11.0	-3.14042529
	9.5	-3.53485525	12.0	-2.97514949	12.0	-2.93931369
	10.0	-3.4978671	13.0	-2.75388736	13.0	-2.66040611
	10.2	-3.8080462	14.0	-2.49080265	14.0	-2.36268719
	10.4	-3.70531135	15.0	-2.19398139	15.0	-2.00067133
	10.6	-3.65814306	16.0	-1.88249501	16.0	-1.67932569
	10.8	-3.49039948	17.0	-1.51867789	17.0	-1.36591438
	11.0	-3.4627759	18.0	-1.22363879	18.0	-0.96526757
	11.2	-3.65010982	19.0	-0.97861134	19.0	-0.84902968
	11.4	-3.67777902	20.0	-0.89172014	20.0	-0.81220472
	11.6	-3.58065738	20.9	-0.88153184	20.9	-0.79051121
	11.8	-3.59787309	20.98333	0.0	20.98333	0.0
	12.0	-3.63099015	20.98333	0.0	20.98333	0.0
	13.0	-3.4425947	20.98333	0.0	20.98333	0.0
	14.0	-3.2403399	20.98333	0.0	20.98333	0.0
	15.0	-3.01000111				
	16.0	-2.782245				
	17.0	-2.50489				
	18.0	-2.27662556				
	19.0	-2.08203507				
	20.0	-1.98780053				
	20.5	-1.93253788				
	20.9	-1.90632763				
	20.98333	0.0				
	20.98333	0.0				
	20.98333	0.0				
	20 98333	0.0				

TABLE 2: Knots and coefficients derived in this work fitting cubic B-splines to the data in Fig. 14 by Riello et al. (2021).



FIGURE 2: Gaia EDR3 magnitude uncertainties for G scaled at different number of observations.

We provide a Jupyter Notebook (EDR3_Photometric_Uncertainties.ipynb) showing how to estimate the uncertainties in a given band and for a given set of number of observations. The code uses the values in Table 2, which can be found in csv format in the LogErrVsMagSpline.csv file.

2 References

Jordi, C., Gebran, M., Carrasco, J.M., et al., 2010, A&A, 523, A48, ADS Link

Riello, M., De Angeli, F., Evans, D.W., et al., 2021, A&A, 649, A3, ADS Link

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