

Erratum: Hubble Tarantula Treasury Project – IV. The extinction law

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The paper ‘Hubble Tarantula Treasury Project – IV. The extinction law’ was published in MNRAS, 455, 4373 (2016). We have discovered that, due to a typesetting error of our own, column $R_{BV}^{\text{diff}}(\lambda)$ in Table 3 is incorrect. It should be the difference between columns $R_{BV}(\lambda)$ and $R_{BV}^{MW}(\lambda)$. The correct version is shown as Table 1 here. The results and conclusions of the original paper remain unchanged.

Table 1. Interpolated values of R_λ for the most common bands, as a function of both $E(V - I)$ and $E(B - V)$. The latter is less accurate because of the lack of B -band observations in our photometry. The table also gives the effective wavelengths (λ) and wave numbers ($1/\lambda$) of the filters, the value of R_λ^{MW} for the canonical extinction law in the diffuse Galactic ISM, and the difference between the latter and our measurements. All values are given for the specific monochromatic effective wavelength as indicated, ignoring the width of the filters. The values for the K band are extrapolated.

Band	λ (Å)	$1/\lambda$ (μm^{-1})	$R_{VI}(\lambda)$	$R_{VI}^{MW}(\lambda)$	$R_{VI}^{\text{diff}}(\lambda)$
<i>U</i>	3650	2.74	4.41 ± 0.18	3.61	0.80
<i>B</i>	4450	2.25	3.78 ± 0.15	3.05	0.73
<i>V</i>	5510	1.82	3.09 ± 0.15	2.30	0.79
<i>R</i>	6580	1.52	2.58 ± 0.13	1.78	0.80
<i>I</i>	8060	1.24	2.09 ± 0.17	1.29	0.79
<i>J</i>	12200	0.82	1.26 ± 0.18	0.63	0.63
<i>H</i>	16300	0.61	0.84 ± 0.12	0.40	0.44
<i>K</i>	21900	0.46	0.52 ± 0.08	0.26	0.26

Band	λ (Å)	$1/\lambda$ (μm^{-1})	$R_{BV}(\lambda)$	$R_{BV}^{MW}(\lambda)$	$R_{BV}^{\text{diff}}(\lambda)$
<i>U</i>	3650	2.74	6.39 ± 0.28	4.75	1.64
<i>B</i>	4450	2.25	5.48 ± 0.24	4.04	1.44
<i>V</i>	5510	1.82	4.48 ± 0.24	3.04	1.44
<i>R</i>	6580	1.52	3.74 ± 0.20	2.35	1.39
<i>I</i>	8060	1.24	3.03 ± 0.26	1.70	1.33
<i>J</i>	12 200	0.82	1.83 ± 0.28	0.83	1.00
<i>H</i>	16 300	0.61	1.22 ± 0.18	0.53	0.69
<i>K</i>	21 900	0.46	0.75 ± 0.11	0.34	0.41

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This paper has been typeset from a \TeX/L\AA\TeX file prepared by the author.