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Formation and evolution of dwarf early-type galaxies in the Virgo cluster

II. Kinematic scaling relations

(Corrigendum)

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In the published article, Table 2 showed incorrect absolute magnitudes in the K band for 10 of the objects. This error only affected Col. 6 of that table and the middle panel of Fig. 1. The correct table and figure are included below. The conclusions of the published article are not affected whatsoever by this mistake.

Table 1. Photometric parameters for the sample of dEs.

Galaxy	M_V (mag)	ϵ_V	$R_{\mathrm{SMA},V}$ (arcsec)	$\langle\mu_{\mathrm{e},V}\rangle$ (mag arcsec^{-2})	M_K (mag)	ϵ_K	$R_{\mathrm{SMA},K}$ (arcsec)	$\langle\mu_{\mathrm{e},K}\rangle$ (mag arcsec^{-2})	$(V-K)_{\mathrm{e}}$ mag	Ref.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
VCC 21	-16.75 ± 0.03	0.36 ± 0.03	13.86 ± 0.17	21.59 ± 0.06	-18.89 ± 0.05	0.35 ± 0.02	10.80 ± 0.38	18.81 ± 0.10	2.42 ± 0.06	2
VCC 308	-17.65 ± 0.05	0.04 ± 0.03	19.16 ± 0.07	21.79 ± 0.04	-20.21 ± 0.07	0.06 ± 0.03	16.70 ± 0.05	18.83 ± 0.06	2.79 ± 0.06	2
VCC 397	-16.44 ± 0.05	0.33 ± 0.03	13.56 ± 0.14	21.86 ± 0.05	-19.38 ± 0.07	0.37 ± 0.04	13.05 ± 0.10	18.77 ± 0.09	3.08 ± 0.05	1
VCC 523	-18.23 ± 0.03	0.25 ± 0.01	26.73 ± 0.46	21.70 ± 0.05	-20.59 ± 0.23	0.27 ± 0.02	17.34 ± 0.01	18.30 ± 0.23	2.91 ± 0.23	1
VCC 856	-17.45 ± 0.06	0.08 ± 0.03	16.21 ± 0.18	21.63 ± 0.05	-20.09 ± 0.08	0.11 ± 0.05	14.15 ± 0.21	18.68 ± 0.09	2.86 ± 0.05	2
VCC 917	-16.26 ± 0.03	0.41 ± 0.02	9.68 ± 0.07	21.22 ± 0.05	-18.84 ± 0.06	0.37 ± 0.07	8.61 ± 0.07	18.49 ± 0.13	2.80 ± 0.06	2
VCC 990	-17.13 ± 0.03	0.34 ± 0.02	9.88 ± 0.06	20.52 ± 0.04	-20.00 ± 0.06	0.36 ± 0.04	10.49 ± 0.05	18.17 ± 0.09	2.92 ± 0.06	1
VCC 1087	-17.97 ± 0.06	0.28 ± 0.03	27.02 ± 0.29	21.94 ± 0.06	-20.55 ± 0.16	0.32 ± 0.04	17.47 ± 0.09	18.57 ± 0.16	2.97 ± 0.15	1
VCC 1122	-16.86 ± 0.03	0.50 ± 0.04	14.26 ± 0.14	21.27 ± 0.10	-19.40 ± 0.05	0.55 ± 0.08	11.81 ± 0.18	18.27 ± 0.20	2.82 ± 0.05	2
VCC 1183	-17.55 ± 0.03	0.22 ± 0.12	21.85 ± 0.28	21.99 ± 0.17	-20.40 ± 0.05	0.31 ± 0.09	19.37 ± 0.42	18.80 ± 0.16	3.09 ± 0.05	2
VCC 1261	-18.38 ± 0.06	0.37 ± 0.05	23.76 ± 0.21	21.28 ± 0.08	-20.94 ± 0.15	0.41 ± 0.06	20.37 ± 0.10	18.32 ± 0.18	2.80 ± 0.14	1
VCC 1431	-17.28 ± 0.06	0.03 ± 0.01	10.31 ± 0.05	20.78 ± 0.03	-20.26 ± 0.16	0.02 ± 0.02	9.91 ± 0.08	17.73 ± 0.15	3.11 ± 0.15	1
VCC 1549	-16.96 ± 0.03	0.16 ± 0.01	13.09 ± 0.08	21.55 ± 0.03	-19.85 ± 0.06	0.19 ± 0.01	11.83 ± 0.08	18.36 ± 0.06	3.10 ± 0.06	2
VCC 1695	-17.33 ± 0.08	0.22 ± 0.05	27.61 ± 0.73	22.69 ± 0.09	-19.53 ± 0.13	0.16 ± 0.07	18.43 ± 0.06	19.24 ± 0.14	2.86 ± 0.10	2
VCC 1861	-17.55 ± 0.06	0.04 ± 0.02	21.57 ± 0.28	22.12 ± 0.04	-20.60 ± 0.09	0.01 ± 0.01	20.11 ± 0.08	18.94 ± 0.07	3.21 ± 0.08	1
VCC 1910	-17.43 ± 0.06	0.14 ± 0.04	14.24 ± 0.11	21.20 ± 0.06	-19.55 ± 0.08	0.17 ± 0.01	11.92 ± 0.04	18.65 ± 0.06	2.88 ± 0.06	1
VCC 1912	-17.58 ± 0.03	0.54 ± 0.06	23.53 ± 0.17	21.55 ± 0.15	-20.18 ± 0.05	0.59 ± 0.08	21.14 ± 0.58	18.59 ± 0.23	2.77 ± 0.05	1
VCC 1947	-17.33 ± 0.03	0.23 ± 0.01	11.26 ± 0.08	20.76 ± 0.03	-20.31 ± 0.12	0.23 ± 0.01	9.56 ± 0.05	17.42 ± 0.12	3.25 ± 0.12	1

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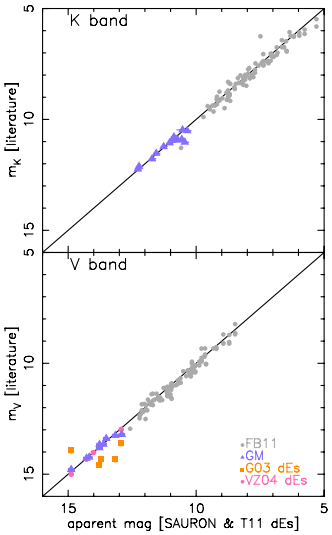

Fig. 1. Comparison between the apparent magnitudes in our work and different sources from the literature.