

# **Gaia FGK benchmark stars: Fundamental $T_{\text{eff}}$ and $\log g$ of the third version (Corrigendum)**

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**Table 1.** Fundamental  $T_{\text{eff}}$  and  $\log g$  and their uncertainties redetermined using the  $\theta_{\text{LD}}$  from Rains et al. (2020) for six stars.

HIP	HD	$\theta_{\text{LD}}$ (mas)	Reference for $\theta_{\text{LD}}$	$T_{\text{eff}}$ (K)	$ru_{T_{\text{eff}}}$ (%)	$\log g$ (dex)	[Fe/H] (dex)
HIP 108870	HD 209100	$1.817 \pm 0.013$	2020MNRAS.493.2377R	$4676 \pm 35$	0.7	$4.59 \pm 0.01$	-0.13
HIP 16537	HD 22049	$2.144 \pm 0.011$	2020MNRAS.493.2377R	$5062 \pm 29$	0.6	$4.60 \pm 0.01$	-0.08
HIP 17378	HD 23249	$2.411 \pm 0.009$	2020MNRAS.493.2377R	$4954 \pm 38$	0.8	$3.79 \pm 0.10$	0.09
HIP 73184	HD 131977	$1.130 \pm 0.014$	2020MNRAS.493.2377R	$4657 \pm 70$	1.5	$4.60 \pm 0.02$	0.02
HIP 8102	HD 10700	$2.054 \pm 0.011$	2020MNRAS.493.2377R	$5397 \pm 15$	0.3	$4.50 \pm 0.01$	-0.51
HIP 98036	HD 188512	$2.133 \pm 0.012$	2020MNRAS.493.2377R	$5090 \pm 15$	0.3	$3.63 \pm 0.08$	-0.15

We found an error that affects the calculated parameters of six stars. We had adopted by mistake uniform disk angular diameters instead of limb-darkened ones from Rains et al. (2020). The correct  $T_{\text{eff}}$  and  $\log g$  values of the six stars, provided in Table 1, are lower by 66 to 78 K (1.2 to 1.7%) and by 0.02 to 0.05 dex, respectively, compared to the incorrect values given in the original paper. We thank the reader who pointed out this error.

## **Data availability**

The updated catalogue is available in electronic form at <https://cdsarc.cds.unistra.fr/viz-bin/cat/J/A+A/682/A145>

## **References**

Rains, A. D., Ireland, M. J., White, T. R., Casagrande, L., & Karovicova, I. 2020, *MNRAS*, 493, 2377

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