

APPENDIX A: PROPERTIES OF THE TARGETS

The averages and standard deviations of all properties of the exoplanet host stars, investigated in the course of this survey, are listed in Tab. A1 for the whole sample of targets, as well as separately for those stars with and without detected companions. The distributions of the properties of all targets are illustrated in Fig. A1 and Fig. A2. Significant deviations in the distributions are found among the G-band magnitudes, distances and effective temperatures of the targets with and without detected companions (according to KS tests, all on the $\alpha = 0.001$ level). On average exoplanet host stars with companions, detected in this survey, exhibit G-band magnitudes that are about 1 mag brighter, distances that are about 30 per cent smaller, and effective temperatures that are 250 K higher than those of targets around which no companions are found. The targets are fast moving objects with a proper motion of about 150 mas/yr, which are located at a distance of ~ 240 pc, exhibit a SpT of K0 (according to the T_{eff} –SpT relation from [Pecaut & Mamajek 2013](#)), a mass of about $1 M_{\odot}$, as well as an age of 5 Gyr, on average. In particular, all exoplanet host stars with detected comoving companions (except the T Tauri star AS 205) are older than about 0.3 Gyr.

Table A1. The properties of the exoplanet host stars, which are selected as targets in this survey. The average \bar{x} and standard deviation σ of the proper motion μ , distance, G-band magnitude, mass, radius, effective temperature T_{eff} , and age are listed for the whole sample of targets, as well as for those with and without detected companions.

Sample Properties	all targets		with comps		without comps	
	\bar{x}	σ	\bar{x}	σ	\bar{x}	σ
μ [mas/yr]	150	430	150	380	150	440
distance [pc]	240	250	180	150	250	270
G [mag]	10.7	3.2	9.9	3.1	10.8	3.2
mass [M_{\odot}]	1.0	0.4	1.1	0.4	1.0	0.4
radius [R_{\odot}]	2.2	4.9	2.3	5.5	2.1	4.8
T_{eff} [K]	5280	940	5490	850	5240	950
age [Gyr]	5.0	3.2	4.9	3.4	5.0	3.1

REFERENCES

Pecaut M. J., Mamajek E. E., 2013, [ApJS](#), **208**, 9

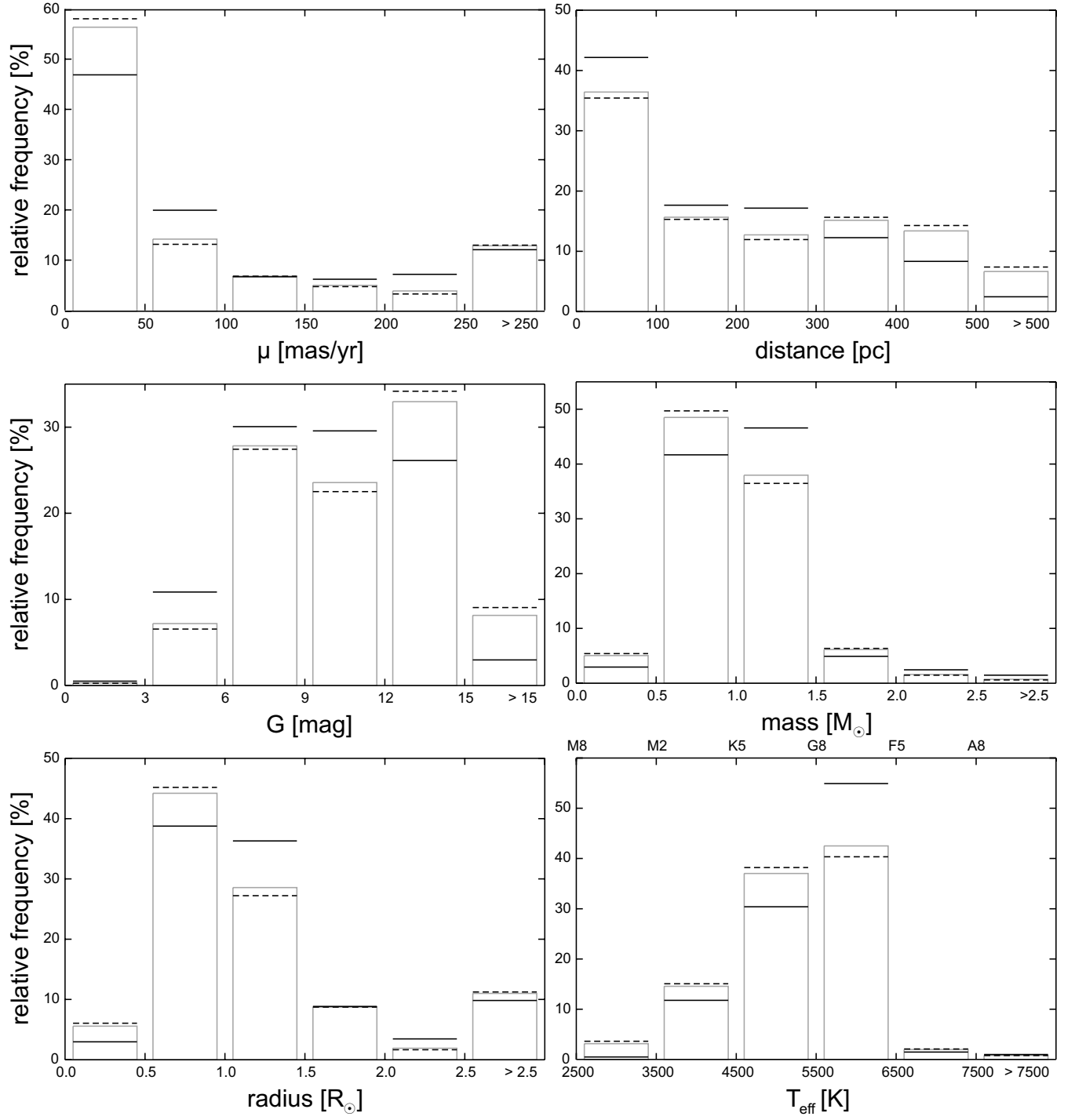


Figure A1. Distribution of the proper motion μ , distance, G-band magnitude, mass, radius, and effective temperature of all targets. Grey boxes show the distributions for all targets, dark solid lines for those targets with companions, detected in this survey, as well as dark dashed lines for those targets without detected companions.

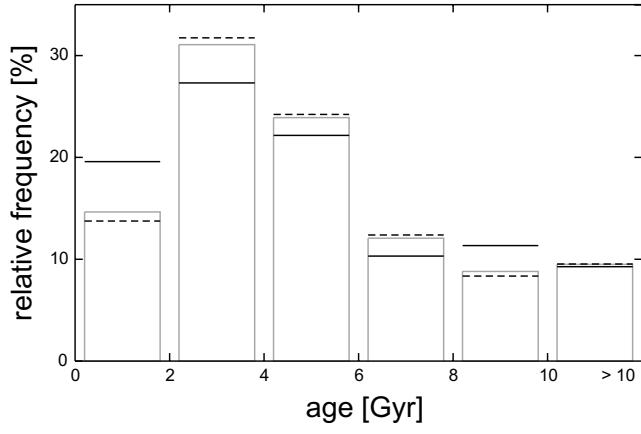


Figure A2. Distribution of the age of all targets. Grey boxes show the distribution for all targets, dark solid lines for those targets with companions, detected in this survey, as well as dark dashed lines for those targets without detected companions.