lines λ 4471 of HeI and λ 4481 of MgII against the $v \sin i$ for the selected standards. Linear regression lines were obtained for the spectral ranges B2–B5, B5–B7, B8–A2, A2–A5, A7–F2 for λ 4471 for the first two ranges and λ 4481 for all ranges except the first one. We have calculated the mean percentage of projected rotation velocities for the members of NGC 6025 with respect to field stars of the same types. These mean values were adopted from Abt & Morrell (1995) and Abt, Levato, & Grosso (2002). The extreme values of $v \sin\ i$ observed for cluster members are 10 km s^{-1} and 270 km s^{-1} for the minimum and maximum respectively. The cluster members seem to rotate with $73\% \pm 9\%$ of the rotation of field stars of same temperatures.

4. CONCLUSIONS

We have derived a distance of 912 pc for NGC 6025, somewhat larger than previous determinations. We have found two peculiar stars of the silicon type among its members. We found a Hg-Mn? peculiar object in the region but it is probably a non-member. We found that the average axial rotation of the main sequence cluster members of NGC 6025 is less than 75% of that of the field stars of the same temperatures. This may be due to the presence of spectroscopic binaries in a larger proportion than among field stars (see Abt 2009). A thorough spectroscopic study to determine the spectroscopic binaries among the upper main sequence of NGC 6025 is under way.

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