Red Clump stars in Kepler open cluster NGC 6819

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Abstract

We measure the large frequency separation, $\Delta \nu$ and the frequency of maximum amplitude, max for 10 RedClump(RC) si 11.520\pm0.03 mag for the cluster. A comparison of the observations with an isochrone of Age = 2.5 Gyr, Z = 0.017 with no mass loss obtained with Padova code using a statistical techniques is made. A fractional mass loss of 5 ± 3 percent is obtained if we assume that no correction to $\Delta \nu$ between RC and red – giantbranch(RGB) is necessary. However, models suggest that an effective correction of about 1.9 percentin $\Delta \nu$ is required to the context of th

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