

SEARCH FOR SOLAR LIKE OSCILLATIONS IN A-F TYPE STARS

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The well known 5-min solar oscillation is one of the direct way to probe the internal structure of the solar interiors. In order to study the coexistence of chemical peculiarity and pulsations in late type A-F stars, an effort was made to search the solar like oscillations in these stars. Here we present a progress report of survey. Pulsations of the δ Scuti type have been discovered in the chemically peculiar A-type stars HD 13038, HD 13079, HD 98851, HD 102480, HD 113878 and HD 118660. HD 12098 has been discovered to be a roAp star. We have also detected evidence for roAp-like 6.1-minute oscillations in the Am star HD207561.