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PULSATION PERIODS IN DELTA SERPENTIS

The Delta Scuti star  $\delta$  Ser (HR 5789 = HD 138918 ) was discovered as a variable star by Millis (1967), based on four nights of observation. He obtained a period of 0.13 days and an amplitude of 0.05 magnitudes in V filter. Valtier (1972) reanalysed the former data obtaining a period of 0.134 days.

We measured the flux of  $\delta$  Ser during eleven nights in 1975 and two nights in 1975 and two nights in 1979, with the 30 cm Cassegrain-reflector at the "Mojón del Trigo" Observatory using a standard UBV system.

The Fourier analysis carried out for our data (Lopez de Coca et al., 1984) showed two frequencies: 6.4227 c/d as the predominant one and, once the data were prewhitened for this frequency, the maximum peak appeared at 7.8869 c/d and the power spectrum after subtracting this second frequency is practically white noise. The ratio of the two periods is 0.814, which is in good agreement with the expected theoretical value for the ratio between the first and the second overtones (Petersen, 1976; Stellingwerf, 1979). A detailed report on our observations and data analysis will be published elsewhere.

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