G 18 Pulsation of the δ Scuti multiple system DG Leo

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DG Leo is a spectroscopic triple system showing δ Scuti type photometric and spectroscopic variations. The 3 components have nearly equal mass but a different chemical composition and all three are potential pulsators. In order to study the relative behaviour of each component with respect to pulsation, frequency analyses were carried out on the recently acquired photometric and spectroscopic observations using various methods. 3 pulsation frequencies were identified which can be clearly attributed to only one of the components.