

CHEMICALLY PECULIAR BINARY OMEGA URSA MAJORIS
WITH ELLIPTICAL ORBIT

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ABSTRACT.

We present the results of radial velocity measurements based on our spectrograms and the orbital elements for an elliptical orbit computed from these measurements and from published data. It is suggested that the light variation may be explained if Ω UMa is an eclipsing binary. Changes of the equivalent widths of some lines are interpreted in terms of rotation. There is a clear need for the further observational material.