

# A Study of the Orbital Period of a Binary System V2790 Ori

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V2790 Ori is a W Uma Eclipsing Binary with an orbital period of 0.28784200 day. From the previous investigation of its light curve, it was found that this binary system has a continuous orbital period change. In this research, new photometric B V and R light curves have been obtained to compute time of minimum light. Using the previously published time of minima and the value obtained in this research, an O - C curve of V2790 Ori was constructed. It was found that, this curve trends toward a downward parabolic variation. The result reveals that the orbital period of V2790 Ori there was a decrease in the rate  $9.81954433 \times 10^{-6}$  seconds per year to  $4.263948685 \times 10^{-6}$  seconds per year.

## Summary

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