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First Light Curve Analysis of the High-Amplitude Delta Scuti Star GSC 4552-1498

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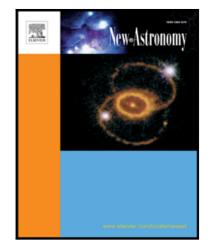
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## Highlights

- Photometric observation analysis of GSC 4552-1498 through three filters is presented.
- New ephemeris and oscillation modes are calculated and two-color diagram is depicted.
- Physical parameters of the star are determined based on the main period.

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