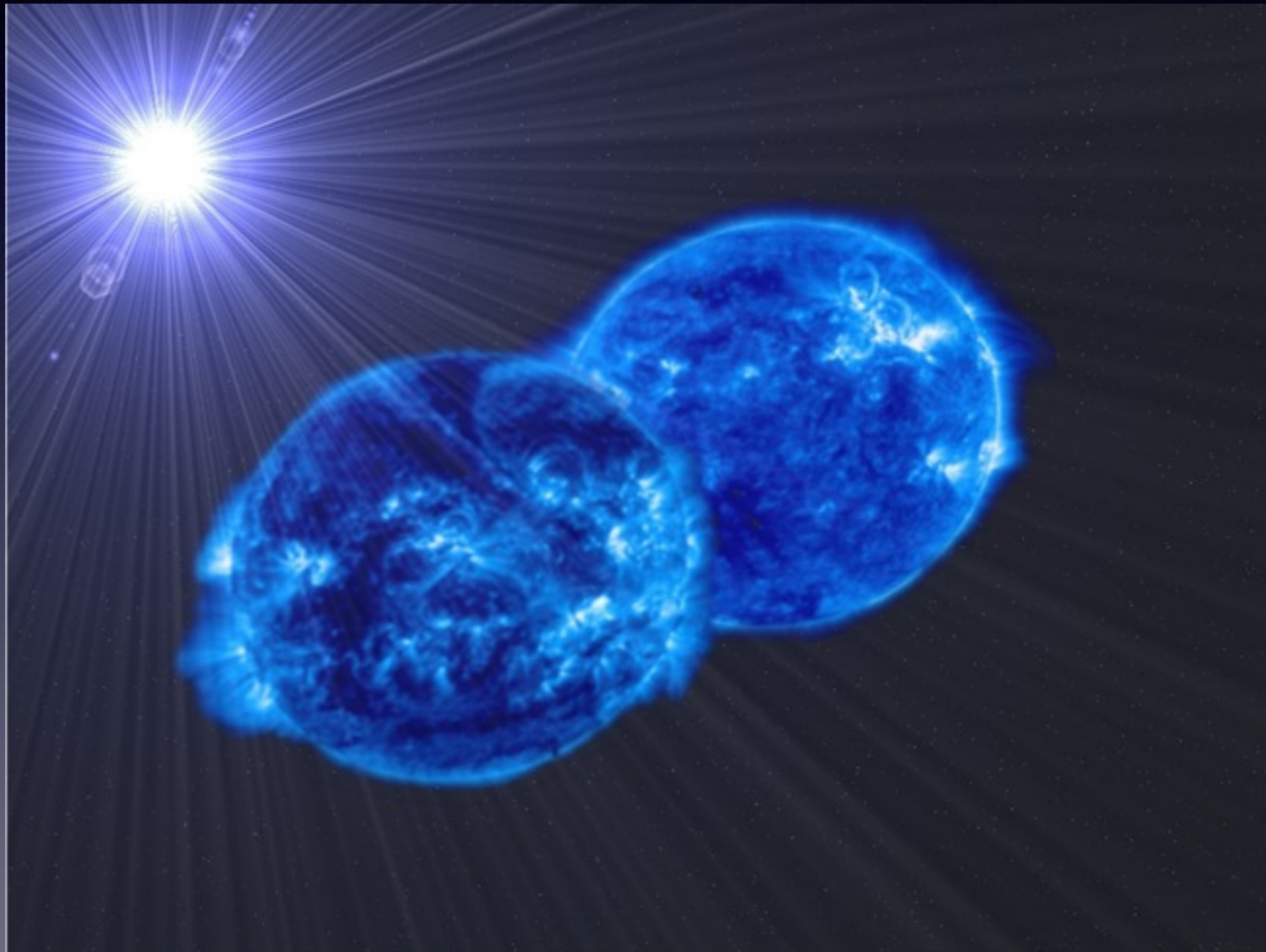


Binary Star Orbits

by
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"Binary Star Orbits" Simulation Method

- Run: `John_Noonan_Binary_Orbits.m`
- Simulation: A planet orbits around two stars in a 3D environment.
 - 3D Runge-Kutta Method Orbit Simulation Procedure used.
 - Enhance simulation by varying initial velocities of stars
→ creates interesting orbits
- Stability - given my initial conditions
 - The binary stars orbit each other in a somewhat stable manner.
 - Planet orbits the binary stars also in a rather stable way.
- Simulation shows both the bodies in orbit as well as each body rotating about its fixed center axis.
- Simulation also shows path taken by each body.

Animation