|  | Object 1 | Object 2 | Both |
| --- | --- | --- | --- |
| Distance to Star 0 | 100 pc | 100 pc |  |
| Stellar Radius 1 | 2.89 sr | 0.75 sr |  |
| Maximum Wavelength 2 | 7.71776938173e-07 m | 5.17431118214e-07 m |  |
| Semi-Major Axis 3 | 0.0156201615414 au | 0.0213798384586 au |  |
| Parallax Angle 0 | 0.01 as | 0.01 as |  |
| Angular Size of Object 1 | 0.000268769176828 as | 6.97497863739e-05 as |  |
| Mass 0 | 1.12282 sm | 0.820335 sm |  |
| Escape Velocity 0 | 384937.705427 m/s | 645876.21814 m/s |  |
| Orbital Velocity 2 | 91106.878863 m/s | 124701.037655 m/s |  |
| Luminosity 0 | 1.5 sl | .5 sl |  |
| Brightness 0 | 4.79794992432e-12 w/m2 | 1.59933545964e-12 w/m2 |  |
| Apparent Magnitude 1 | 9.35978627664 magnitudes | 10.5525766383 magnitudes |  |
| Absolute Magnitude 2 | 4.35978627664 magnitudes | 5.55257663831 magnitudes |  |
| Surface Temperature 3 | 3757.56239473 K | 5604.61073546 K |  |
| Gravitational Acceleration 5 | 3.55210032301 m/s2 | 4.86187872599 m/s2 |  |
| Kinetic Energy 6 | 9.26866669344e+39 J | 1.2686334652e+40 J |  |
| Angular Momentum 8 | 4.75459146348e+44 kg\*m^2/s | 6.50776863968e+44 kg\*m^2/s |  |
| Flux 9 | 11303367.8747 w/m2 | 55945463.4992 w/m2 |  |
| Total Mass of System 0 |  |  | 1.943155 sm |
| Distance Between Objects 1 |  |  | 0.037 AU |
| Period of Orbit 2 |  |  | 0.00510562441786 yr |
| Force of Gravity between Objects 3 |  |  | 7.93286650723e+30 N |
| Potential Energy |  |  | 4.39100026908e+40 J |