

9 Two binary stars of equal mass are in circular orbit around a point midway between them at a rate of one revolution every 1.2 years. The distance between the stars is constant at 1.6×10^{12} m. What is the mass of each star?

- A** 1.3×10^9 kg **B** 2.1×10^{32} kg **C** 8.5×10^{32} kg **D** 8.0×10^{39} kg