

How often does Mercury-Venus conjunction occur - ChatGPT Query



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A **Mercury–Venus conjunction** typically occurs **5 to 6 times per year**.

Why so frequent?

Both Mercury and Venus are **inferior planets** (closer to the Sun than Earth) and move relatively quickly in the sky:

- **Mercury's orbital period:** ~88 days
- **Venus's orbital period:** ~225 days

Because they both stay relatively close to the Sun in the sky (never more than about 28° for Mercury and 47° for Venus), they frequently appear near each other from Earth's point of view.

Types of Conjunctions:

- **Geocentric conjunctions:** When Mercury and Venus appear close together in Earth's sky.
- **Heliocentric conjunctions:** When Mercury and Venus align in their orbits from the Sun's perspective (less relevant for naked-eye viewing).

Let me know if you're asking about a specific year or location, and I can pull exact dates.