Venus Seismic Activity Monitoring Satellite
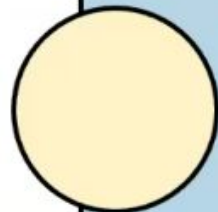
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Objectives

Satellite will revolve around Venus, capturing seismic activity on Venus' surface through the use of infrared imaging and InSAR.
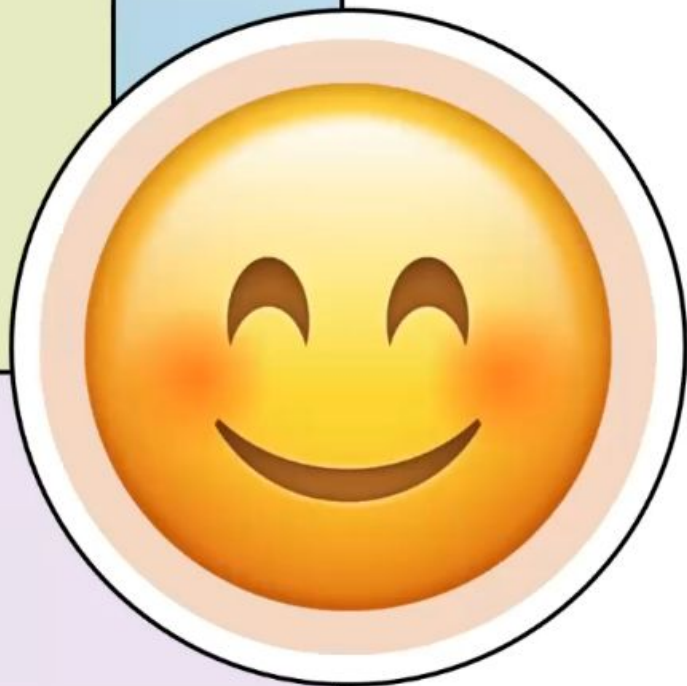
Why is it important?

This mission will advance our very limited knowledge about Venus' seismic activity.

The key features of the VSAMS are:

Infrared Imaging Payloads	To monitor the surface temperature of Venus' volcanoes and identify which are at risk of exploding. To identify undiscovered active volcanoes around Venus.
InSAR (Interferometric Synthetic Aperture Radar)	To monitor changes or deformation in Venus' surface for potential signs of seismic activity.
Optical Payload	To take high resolution images of Venus. To assess the effects and changes brought by its potential seismic activity.

References

- https://slidesmania.com/thena-free-presentation-template/
- https://planetary-science.org/astronomy/solar-system/venus/

That's All, Thank You!