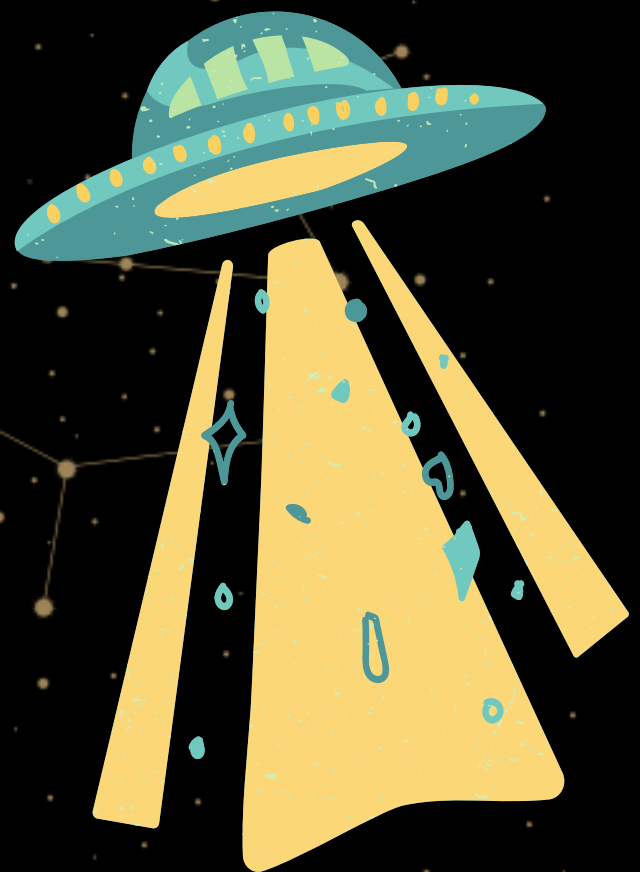
2023

WRAPPED:

YEAR IN REVIEW



ACCOMPLISHMENTS,
CONTENT, ENGAGEMENT,
AND INITIATIVES

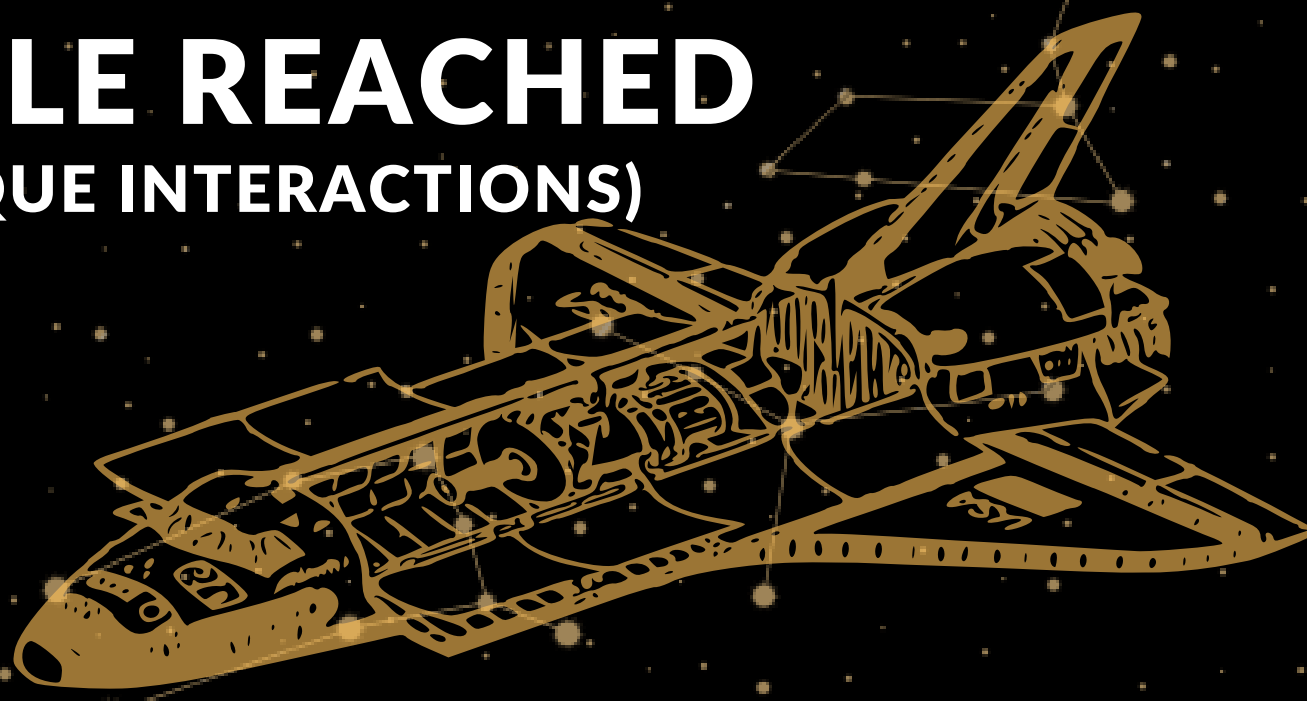
WEBSITE ENGAGEMENT

JAN 2023 - DEC 2023

39,173

PEOPLE REACHED

(UNIQUE INTERACTIONS)



1,205 college counseling queries answered

279 students tutored

324 student researchers mentored

3,356 served in public webinars

2,520 students accessing curricula

5,289 astro camp attendees

1,113 magazine downloads

102 volunteers & team members

22 organization partners

BLOG GROWTH

76 BLOG POSTS

825 AVERAGE READS PER ARTICLE

1,500+ NEW BLOG SUBSCRIBERS

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NEWS GROWTH

500+ NEWS POSTS

current endeavors with james webb space telescope

JAMES WEBB SPACE TELESCOPE CAPTURES WARPED GALAXIES, GRAVITATIONAL LENSING, AND SUPERNOVA

[Image credit: NASA, ESA, CSA, STScI]

The James Webb Space Telescope, stationed a million miles from Earth, has unveiled a mesmerizing cosmic spectacle. Displaying the phenomenon of gravitational lensing predicted by Einstein, the telescope captured a warped galaxy, MRG-M0138, located 10 billion light-years away. The gravitational lens ma

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INFRARED VIEW OF URANUS, REVEALING STORMS, RINGS, MOONS, AND POLAR ICE CAPS IN LATEST JAMES WEBB IMAGE

[Image Credit: NASA, ESA, CSA, STScI]

The James Webb Space Telescope has provided a captivating infrared image of Uranus, showcasing the planet's dynamic features such as storms, rings, moons, and a gleaming polar ice cap. Uranus, with its unique axial tilt of about 98 degrees, experiences extreme seasons, including a 21-year-long winter

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INTERVIEWS

50+ INTERVIEWS + Q&A SESSIONS

Interview w/ ISS National Lab Project Manager Courtney Black

By Rishika Porandla

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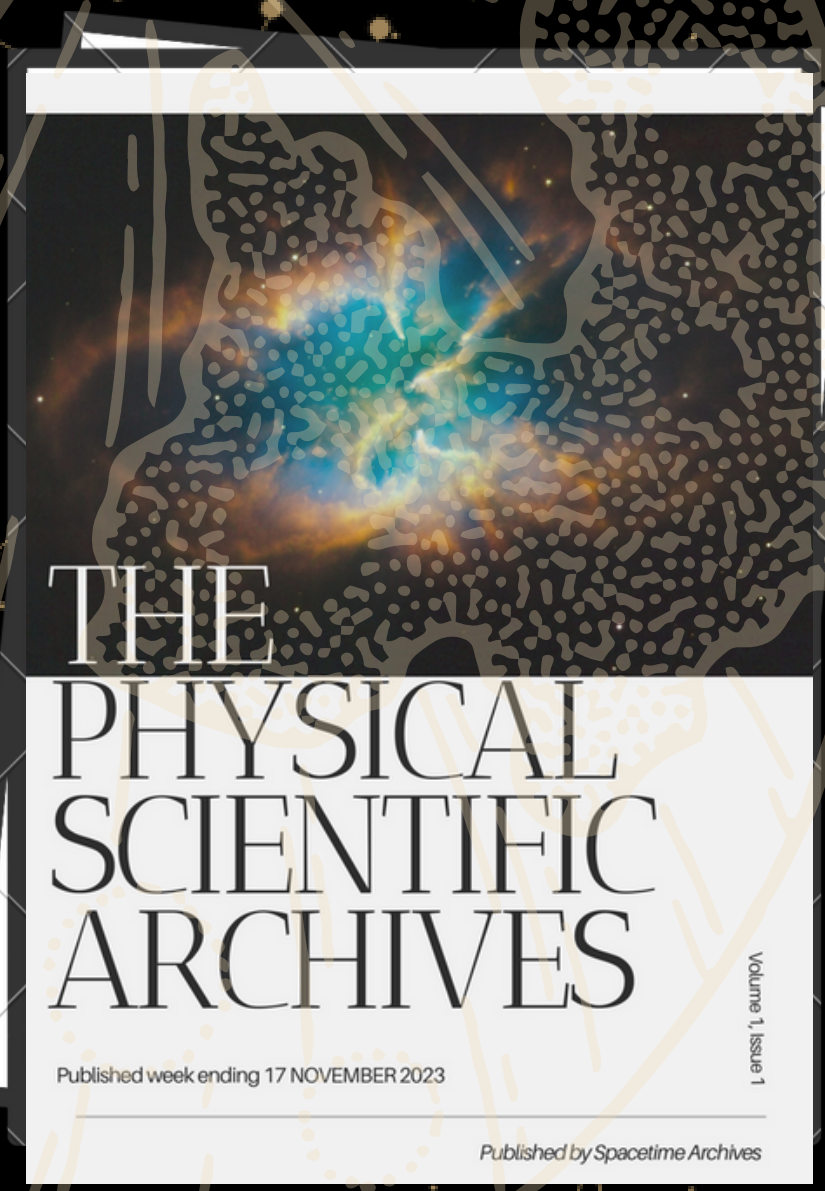
ACADEMIC JOURNAL LAUNCH

THE PHYSICAL SCIENTIFIC ARCHIVES



Dynamics of Celestial Bodies: Exploring the Impact of Speed, Orbit, and Temperature on Halley's Comet, Comet Encke, 'Oumuamua, and Comet Hale-Bopp

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Abstract: This paper delves into the realm of comets and examines their relationship with crucial factors that shape their characteristics. Through an exploration of factors such as speed, orbit, temperature, and their intricate relationships with these cosmic bodies, we can substantially enhance our comprehension of comets. This paper centers on four prominent comets—Halley's Comet, Comet Encke, 'Oumuamua, and Comet Hale-Bopp—examining their distinctive attributes across three key factors. 'Oumuamua and Comet Encke are noteworthy for their remarkable velocities as they traverse the solar system. Halley's Comet, with its extensive temperature range, experiences extremes during its journey spanning from 0.587 AU to 35.3 AU. The application of escape velocity can lead comets like Comet Hale-Bopp to transition into a parabolic orbit. A comprehensive understanding of the interplay between each of these four comets and the three primary factors is poised to significantly broaden our cosmic knowledge.

Keywords: Comets, Comet Encke, Comet Hale-Bopp, Halley's Comet, orbit, 'Oumuamua, speed, temperature

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What are your qualifications? OR attach your resume below.

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Attachments (0)