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The deep gravitational potential of the black hole provides a stable engine block on which are hung all the key systems of the black hole engine. Many Schwarzschild radii away from the black hole...

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A black hole starship is a theoretical idea for enabling interstellar travel by propelling a starship by using a black hole as the energy source. The concept was first discussed in science fiction, notably in the book *Imperial Earth* by Arthur C. Clarke, and in the work of Charles Sheffield, in which energy extracted from a Kerr-Newman black hole is described as powering the rocket engines in the story "Killing Vector". In a more detailed analysis, a proposal to create an artificial black hole an

Black hole starship - Wikipedia

In theoretical physics, a kugelblitz (German: "ball lightning") is a concentration of heat, light or radiation so intense that its energy forms an event horizon and becomes self-trapped: according to general relativity and the equivalence of mass and energy, if enough radiation is aimed into a region, the concentration of energy can warp spacetime enough for the region to become a black hole ...

Kugelblitz (astrophysics) - Wikipedia

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Black Holes - Astrophysics

Black Hole Astrophysics The Engine Paradigm By (author) David L. Meier. ISBN 13 9783642019364. Overall Rating (0 rating) Rental Duration: Price: 6 Months: \$ 74.99 Add to Cart: 1 Month: \$ 24.99 Add to Cart: ViewInside. Product Description Home | Contact Us ...

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The Question. Where is the closest black hole and how far away is it?. The Answer. It is actually difficult to determine the distance to black holes, but a nearby object believed to be a black hole from observations of strong X-ray emission is Cygnus X-1, located about 8000 light years away. Cyg X-1 is an ordinary star that is believed to be orbiting a black hole.

Ask an Astrophysicist: Black Holes

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