Modified dispersion relation in extra-dimensional curved spacetime

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Adds one extra dimension to spacetime

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Gravity could affect microscopic physics

$$\sigma_x \sigma_p \geq \frac{\hbar}{2} + ?$$

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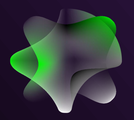

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Black holes

Static, spherically symmetric solution in the Kaluza–Klein theory

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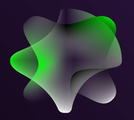

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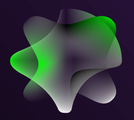

Black holes and cats

What's the connection?

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