

## Star motion around rotating black hole in the Galactic Center in real time

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“The Event Horizon Telescope” team intend in the year 2020 to resolve the shadow of the supermassive black hole SgrA\* in the Galactic Center. It would be the first attempt for direct identification of the enigmatic black hole. In other words, it would be the first experimental verification of the General Relativity in the strong field limit. There is a chance to find a star moving on the relativistic orbit close to this black hole. We present the animated numerical model of the gravitational lensing of a star (or any other lighting probe), moving around rotating Kerr black hole in the Galactic Center and viewed by the distant observer.

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