

Imaging Black Hole Shadow of M87 with the Event Horizon Telescope

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On 10 April 2019, in six coordinated press conferences around the world, the first result of the Event Horizon Telescope (EHT) collaboration was released: The shadow of the supermassive black hole of the elliptical galaxy M87. The EHT is a radio interferometer that combines different radio telescopes. In order to have an image, interferometers need a computational process called “imaging.” We have developed two imaging platforms for the EHT and one of them was made by our Japanese group including me. We have utilized “sparse modeling” for our imaging method. In this talk, we will show how the image was computed.

Keywords: interferometer, black hole shadow