

KMI Colloquium

On black hole shadow



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Online colloquium (Zoom)

Abstract:

It is one of very important theoretical predictions of general relativity that if sources of light surround a black hole, a dark image on a bright background will be observed. This dark image is called the black hole shadow. In 2019, the Event Horizon Telescope collaboration announced that first-ever image of a black-hole (exactly speaking, a black hole shadow) was captured. This is really a great development in physics and astronomy. The black hole shadow is often explained as a silhouette of a black hole. It is, however, a quite misleading description. In this seminar, I briefly review the black hole in general relativity and talk on what is the black hole shadow.

