Black hole  
   
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A black hole is an astronomical body so dense that its gravity prevents anything from escaping, even  
light. Albert Einstein's theory of general relativity predicts that a sufficiently compact mass will form a  
black hole. The boundary of no escape is called the event horizon. In general relativity, a black hole's  
event horizon seals an object's fate but produces no locally detectable change when crossed. In many  
ways, a black hole acts like an ideal black body, as it refle

## Wikipedia Excerpt: Image processing

Digital image processing is the use of a digital computer to process digital images through an algorithm. As a subcategory or field of digital signal processing, digital image processing has many advantages over analog image processing. It allows a much wider range of algorithms to be applied to the input data and can avoid problems such as the build-up of noise and distortion during processing. Since images are defined over two dimensions (perhaps more), digital image processing may be modeled in the form of multidimensional systems. The generation and development of digital image processing are mainly affected by three factors: first, the development of computers; second, the development of mathematics (especially the creation and improvement of discrete mathematics theory); and third, the demand for a wide range of applications in environment, agriculture, military, industry and medical science has increased.