Big Bang  
   
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The Big Bang is a physical theory that describes how the universe expanded from an initial state of high  
density and temperature. Various cosmological models based on the Big Bang concept explain a broad  
range of phenomena, including the abundance of light elements, the cosmic microwave background  
(CMB) radiation, and large-scale structure. The uniformity of the universe, known as the horizon and  
flatness problems, is explained through cosmic inflation: a phase of accelerated

## 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.