Atmosphere  
   
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An atmosphere is a layer of gases that envelop an astronomical object, held in place by the gravity of  
the object. The name originates from Ancient Greek ■τµ■ς (atmós) 'vapour, steam' and σφα■ρα  
(sphaîra) 'sphere'. An object acquires most of its atmosphere during its primordial epoch, either by  
accretion of matter or by outgassing of volatiles. The chemical interaction of the atmosphere with the  
solid surface can change its fundamental composition, as can photochemical in

## 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.