Algebra  
   
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Algebra is a branch of mathematics that deals with abstract systems, known as algebraic structures,  
and the manipulation of expressions within those systems. It is a generalization of arithmetic that  
introduces variables and algebraic operations other than the standard arithmetic operations, such as  
addition and multiplication. Elementary algebra is the main form of algebra taught in schools. It  
examines mathematical statements using variables for unspecified values and seeks t

## 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.