Hydroelectricity  
   
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Hydroelectricity, or hydroelectric power, is electricity generated from hydropower (water power).  
Hydropower supplies 15% of the world's electricity, almost 4,210 TWh in 2023, which is more than all  
other renewable sources combined and also more than nuclear power. Hydropower can provide large  
amounts of low-carbon electricity on demand, making it a key element for creating secure and clean  
electricity supply systems. A hydroelectric power station that has a d

## 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.