Amazon River  
   
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The Amazon River (US: ; Spanish: Río Amazonas, Portuguese: Rio Amazonas) in South America is the  
largest river by discharge volume of water in the world, and the longest or second-longest river system  
in the world, a title which is disputed with the Nile. The headwaters of the Apurímac River on Nevado  
Mismi had been considered, for nearly a century, the Amazon basin's most distant source until a 2014  
study found it to be the headwaters of the Mantaro River on the Cord

## 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.