Three-dimensional

Two-dimensional space or bi-dimensional space is a geometric setting in which two values (called parameters) are required to determine the position of an element (i.e., point). In Mathematics, it is commonly represented by the symbol $\mathbb{R}2$.

For a generalization of the concept, see dimension.

Techniques for the production and reproduction of 3D images have been refined in the last two decades, and awareness of the value of 3D imaging applied to medical education has increasingly been appreciated [1)].

Three-dimensional computed tomography angiography

Three dimensional image.

Three dimensional magnetic resonance imaging based on Time-of-flight magnetic resonance angiography

Three dimensional magnetization prepared rapid gradient echo magnetic resonance imaging (3D MPRAGE MRI)

Three dimensional endoscopy.

Three dimensional printing.

Three-dimensional Ultrasound

Three-dimensional endoscope.

see Three-Dimensional microscopic surgical videos.

3D printing

1)
Justus I , Jones J-HP , Daniel L , Martil W . Using a high-defi nition stereoscopic video system to teach microscopic surgery . Proc of SPIE-IS & T Electronic Imaging 2007 ; 6490 : 1 – 7.