High-resolution, high-quality 3D image display with multiple layers

Technology #m04-052

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Multiple-layers provide high-resolution, high-quality 3D images without special glasses or devices Methods and systems for displaying 3D images are described. A display system having multiple physical layers is used for this purpose.

The method and system for producing an output light field corresponding to a three dimensional image involves determining a desired brightness for a ray in the output light field. The light output is from a point on the physical layer. The light output provides the desired brightness of the ray.

The method and system for 3D display can perform real time functions, such that observers can be provided dynamic (time-varying) scenes in three dimensions, without compromising the resolution or quality of the 3D image. The system does not require the observers to wear any special devices.”

Inventors

Shree Kumar Nayar