

Computer Graphics -Applications

Junjie Cao @ DLUT

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<http://jjcao.github.io/ComputerGraphics/>

What is computer graphics?

- The use of computers to synthesize and manipulate **visual information.**
- The use of computers to synthesize and manipulate **sensory information.**



(sound)



(touch)

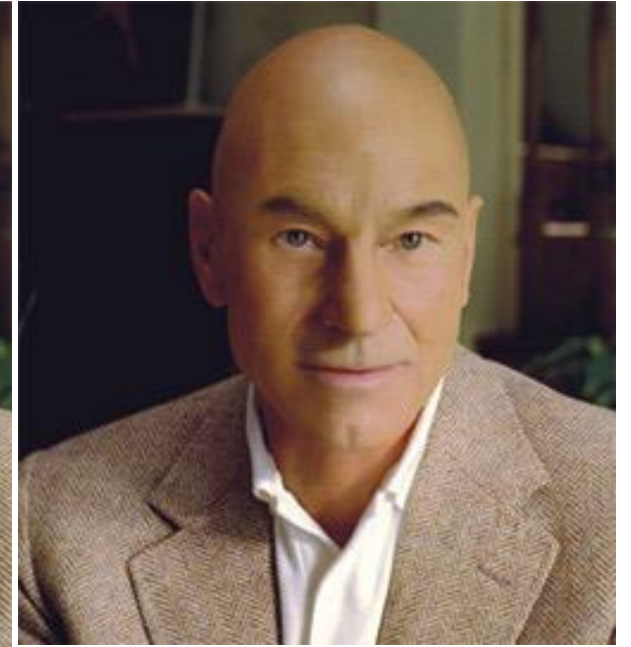
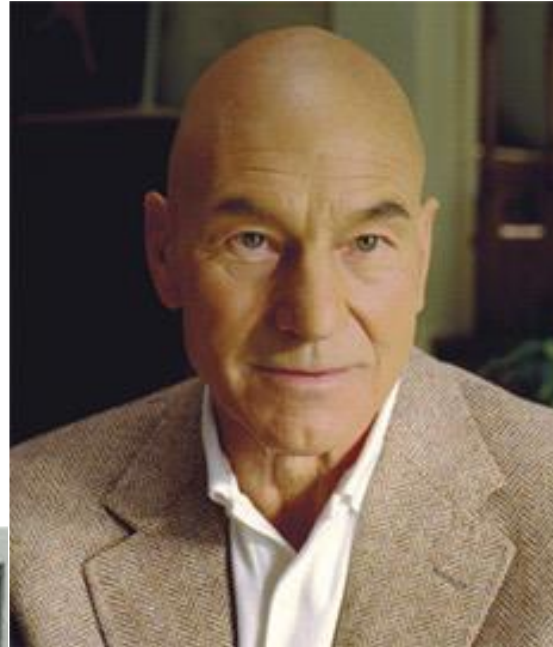
Computer graphics is everywhere!

Entertainment (movies, games)

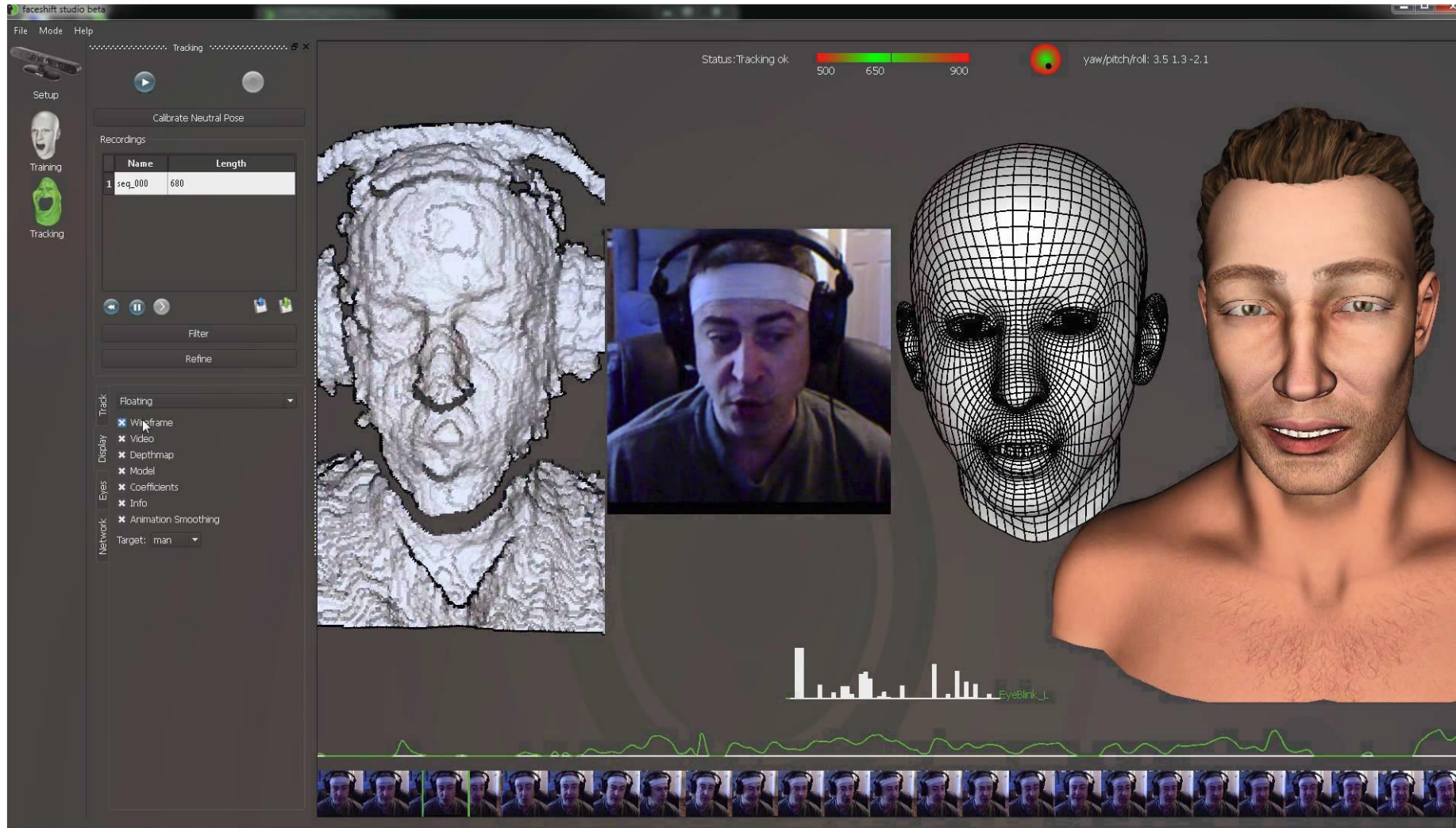


Entertainment

- Not just cartoons!



Communication



VR & AR



VR & AR

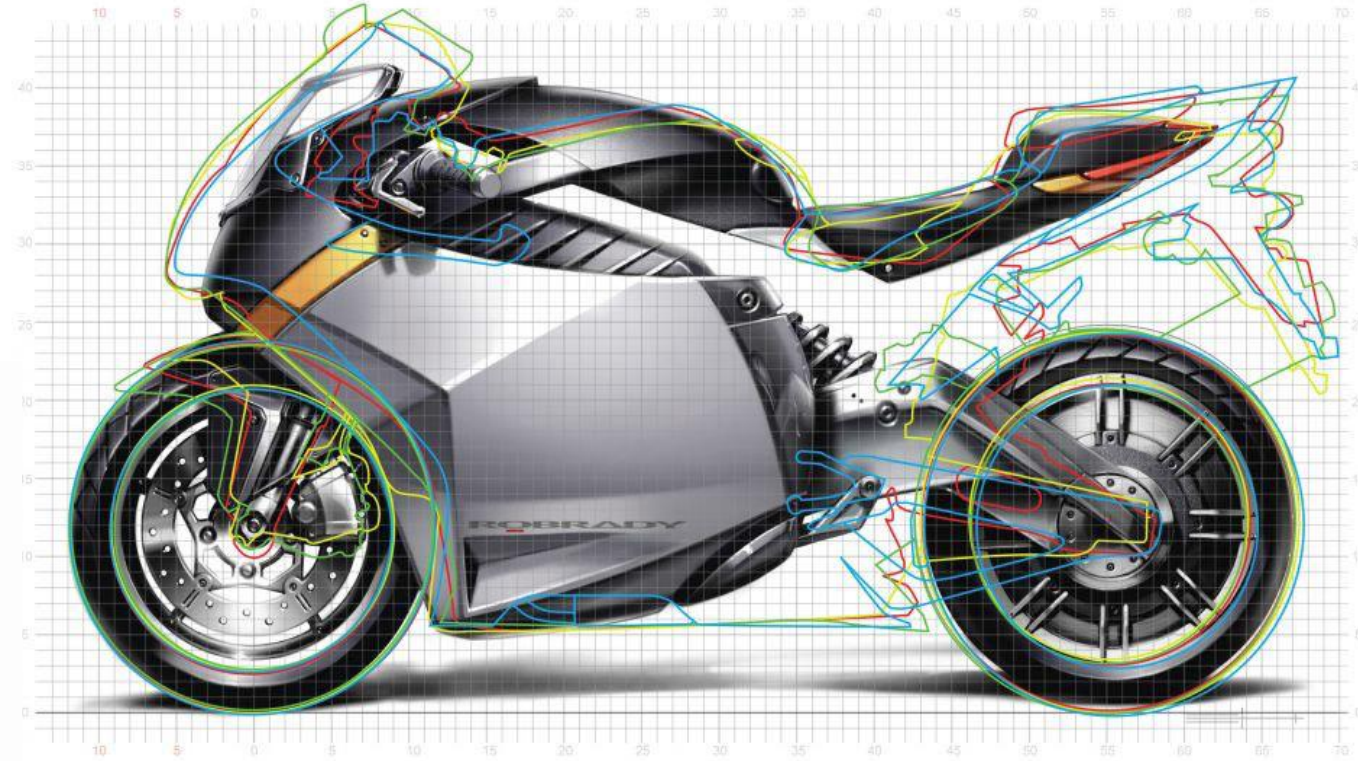
- [微软增强现实眼镜 Microsoft HoloLens宣传片](#), [全息传输](#)
- 裸眼
 - **Sig07_Rendering for an Interactive 360° Light Field Display**
 - [Bleen--世界上第一个真正的空间3D全息投影设备!](#)
 - [3D伪全息投影制作](#)
- next

Art and design

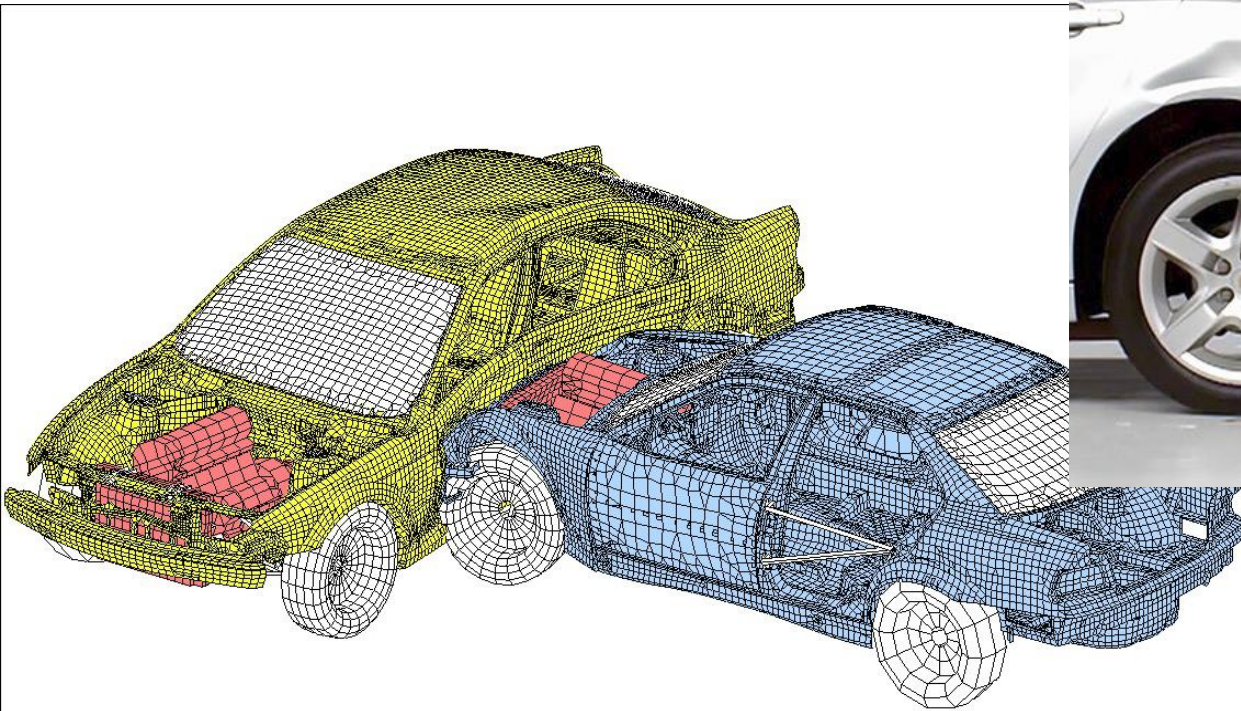


Legible compact calligrams, Siggraph 16

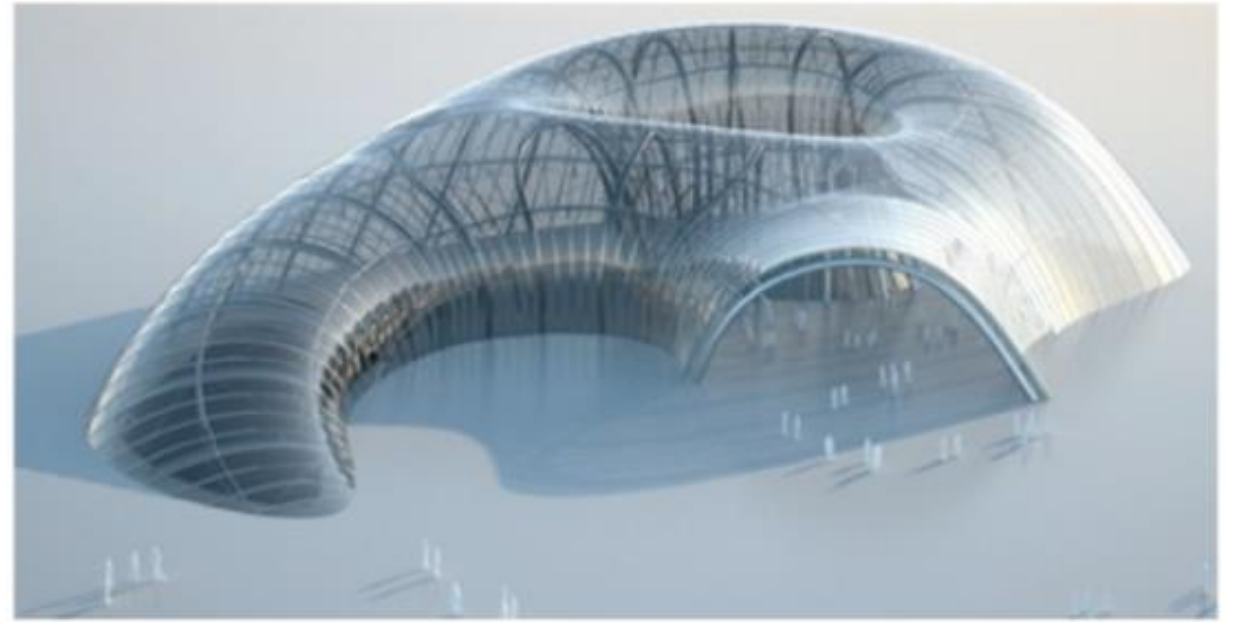
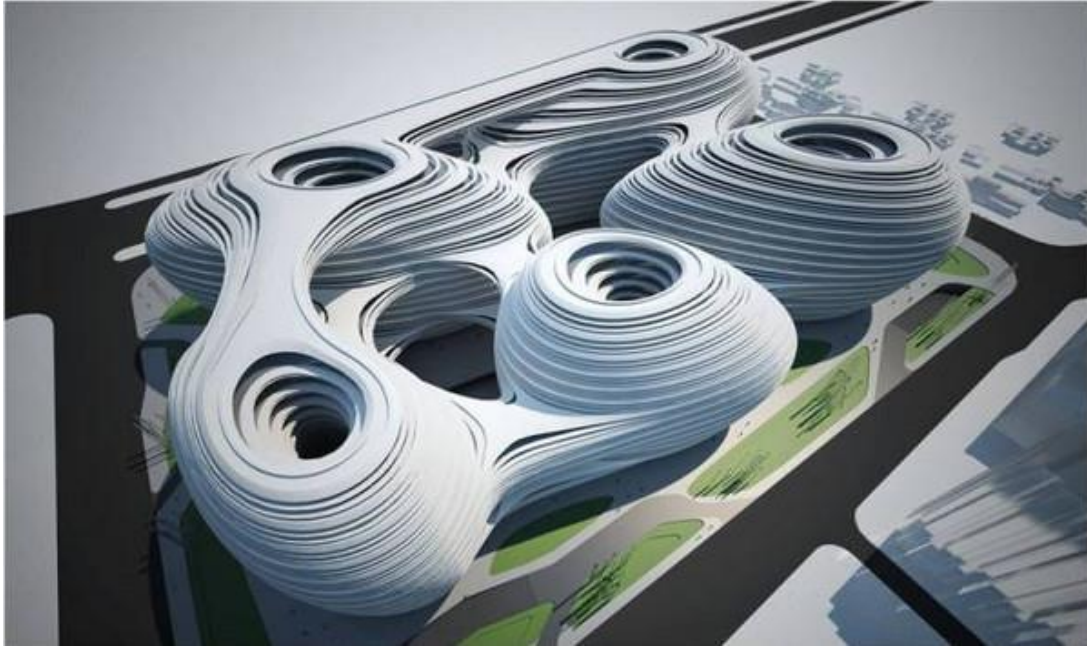
Industrial design



Computer aided engineering (CAE)



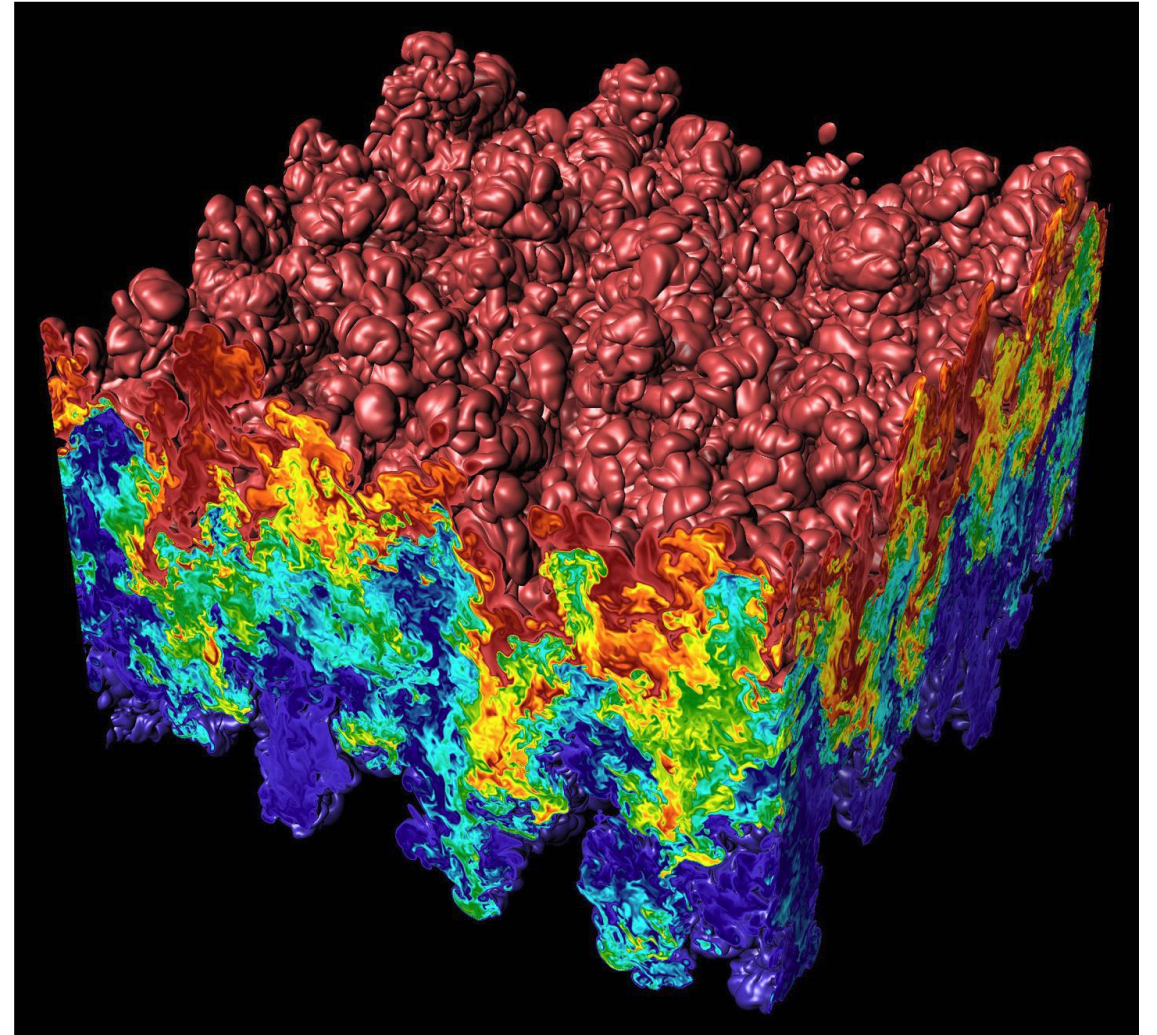
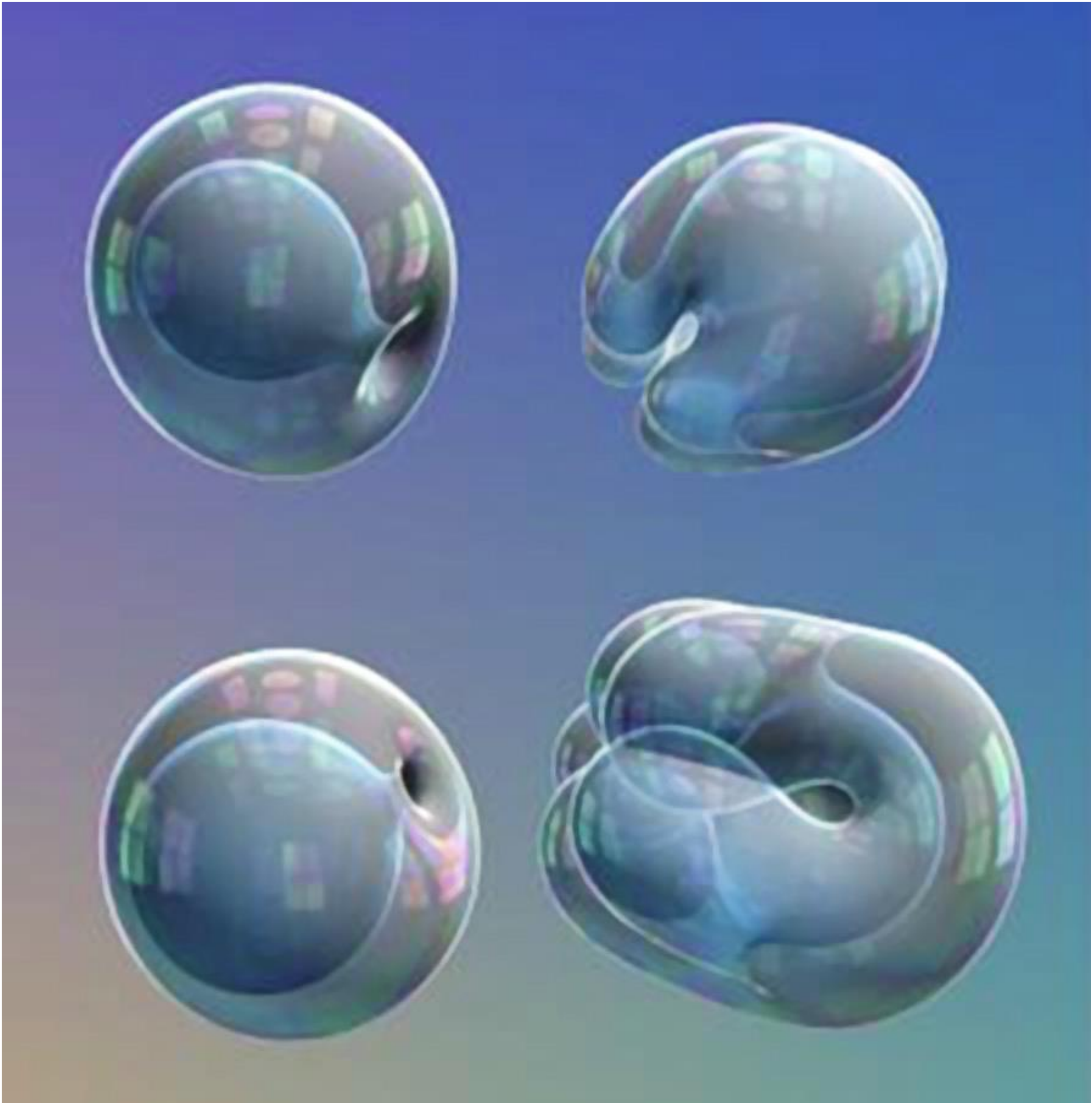
Architecture



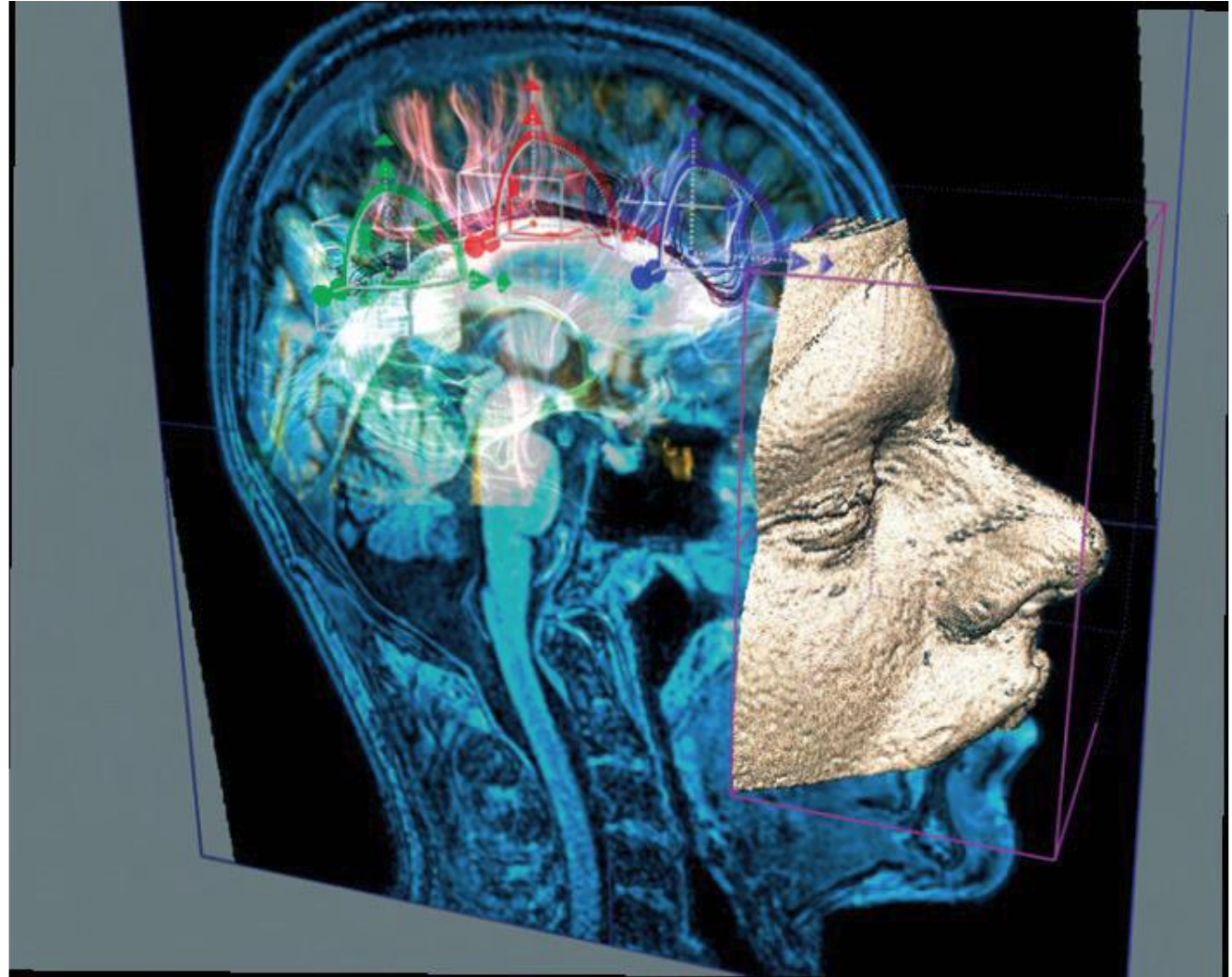
evolute - architectural design



Scientific/mathematical visualization



Medical/anatomical visualization



Navigation

