

## **Siggraph '83**

### **State of the Art Image Synthesis Seminar**

#### **Schedule**

**Tuesday, July 26, 1983 - 8:30 a.m. - 5:00 p.m.**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
08:30 am - 08:40 am	R. Stock	Introduction
08:40 am - 09:35 am	A. Barr	Recent Developments in Solid Primitives
09:35 am - 10:30 am	J. Kajiya	General S-O-A in Ray Tracing
10:30 am - 10:45 am	-	Break
10:45 am - 11:45 am	A. Barr	Flexible Deformations in Solid Primitives
11:45 am - 01:00 pm	-	Lunch
01:00 pm - 02:15 pm	J. Kajiya	Ray Tracing Procedural & Fractal Primitives
02:15 pm - 03:30 pm	R. Stock	S-O-A in Animation Graphics Hardware
03:30 pm - 03:45 pm	-	Break
03:45 pm - 05:00 pm	R. Voss	Fractal Forgery

# **Siggraph '88**

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#### **Alan Barr:**

##### **Recent Developments in Solid Primitives Flexible Deformations in Solid Primitives**

- Profile Surfaces and Solids: A Supplement; *Barr*
- Superquadrics and Angle-Preserving Transformations; *Barr*
- Global and Local Deformations of Solid Primitives; *Barr*

#### **James Kajiya:**

##### **General S-O-A in Ray Tracing Ray Tracing Procedural & Fractal Primitives**

- Siggraph '83 Tutorial on Ray Tracing; *Kajiya*
- Computer Rendering of Stochastic Models; *Fournier, Fussell, & Carpenter*
- Comment on Computer Rendering of Fractal Stochastic Models; *Mandelbrot*
- Authors's Reply; *Fournier, Fussell, & Carpenter*

#### **Rodney Stock:**

##### **S-O-A in Animation Graphics Hardware**

- Siggraph '83 Tutorial Notes; *Stock*
- A Conceptual Model of Raster Graphics Systems; *Acquah, Foley, Sibert, & Wenner*
- A Frame Buffer System With Enhanced Functionality; *Crow & Howard*
- High-Performance Raster Graphics for Microcomputer Systems; *Bechtolsheim & Baskett*
- Real Time Animation Playback On A Frame Store Display System; *Ackland & Weste*

#### **Richard Voss:**

##### **Fractal Forgery**

- Fourier Syntheses of Gaussian Fractals:  $1/f$  Noises, Landscapes, and Flakes; *Voss*
- Remarks on Computer Rendering of Fractal Stochastic Models; *Mandelbrot*
- $1/f$  (Flicker) Noise: A Brief Review; *Voss*