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The Mathematics of Computer
Graphics

Monday and Tuesday,
July 23 and 24, 1984

Mathematics of Computer Graphics Seminar

Day 1: Monday, July 23, 1984

8:30 - 8:45	Introduction	Kajiya/Barr
8:45 - 10:15	Homogeneous Coordinates	Blinn
10:15 - 10:30	Break	
10:30 - 12:00	Intro to Computational Geometry	Guibas
12:00 - 1:30	<Lunch>	
1:30 - 2:00	Mathematical Controversies in Computer Graphics	Barr
2:00 - 3:30	Computer Aided Geometric Design	Barsky
3:30 - 3:45	Break	
3:45 - 5:00	Numerical Analysis	Duff

Day 2: Tuesday, July 24, 1984

8:30 - 8:45	Introduction	Barr/Kajiya
8:45 - 10:15	Fractal Mathematics	Mandelbrot
10:15 - 10:30	Break	
10:30 - 12:00	Deformations in Solid Modeling	Barr
12:00 - 1:30	Lunch	
1:30 - 2:30	Transform Theory	Kajiya
2:30 - 3:15	Beta Splines	Barsky
3:15 - 3:30	Break	
3:30 - 4:45	Differential and Algebraic Geometry	Kajiya
4:00 - 4:45	Newtonian Dynamics and Animation	Barr

Mathematics of Computer Graphics Seminar

Day 1:

Introduction	Kajiya/Barr
Homogeneous Coords	Blinn
Intro to Computational Geometry	Guibas
<Lunch>	
Mathematical Controversies in Computer Graphics	Barr
Computer Aided Geometric Design	Barsky <i>15 min</i>
Numerical Analysis	Duff

Day 2:

Introduction	Barr /Kajiya
Fractal Mathematics	Mandelbrot
Transform Theory	Kajiya
Deformations in Solid Modeling	Barr
Differential and Algebraic Geometry	Kajiya
Newtonian Dynamics and Animation	Barr