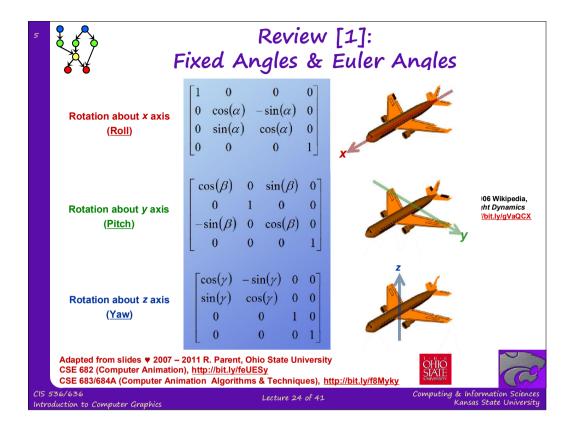
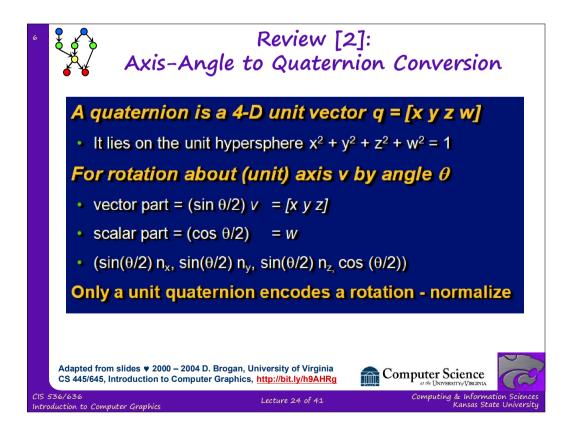
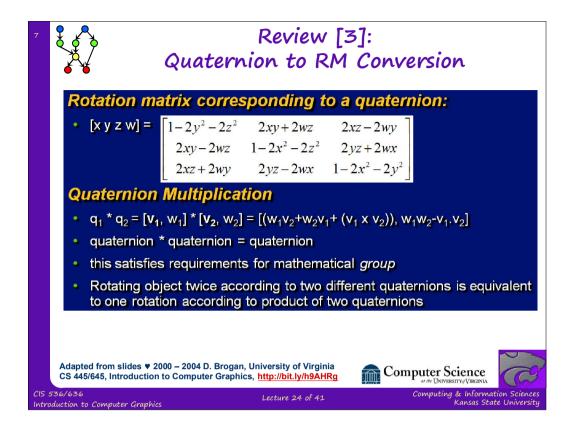


22 23 24	Animation 2: Rotations; Dynamics, Kinematics Demos 4: Modeling & Simulation; Rotations	Chapter 17, esp. §17.1 – 17.2
	Demos 4: Modeling & Simulation: Rotations	Ob
24		Chapter 10 <sup>1</sup> , 13 <sup>2</sup> , §17.3 – 17.5
 E 49	Collisions 1: axes, OBBs, Lab 4b	§2.4.3, 8.1, GL handout
25	Spatial Sorting: Binary Space Partitioning	Chapter 6, esp. §6.1
26	Demos 5: More CGA; Picking; HW/Exam	Chapter 7 <sup>2</sup> ; § 8.4
27	Lab 5a: Interaction Handling	§ 8.3 - 8.4; 4.2, 5.0, 5.6, 9.1
28	Collisions 2: Dynamic, Particle Systems	§ 9.1, particle system handout
	Exam 2 review; Hour Exam 2 (evening)	Chapters 5 – 6, 7 <sup>2</sup> – 8, 12, 17
29	Lab 5b: Particle Systems	Particle system handout
30	Animation 3: Control & IK	§ 5.3, CGA handout
31	Ray Tracing 1: intersections, ray trees	Chapter 14
32	Lab 6a: Ray Tracing Basics with POV-Ray	RT handout
33	Ray Tracing 2: advanced topic survey	Chapter 15, RT handout
34	Visualization 1: Data (Quantities & Evidence)	Tufte handout (1)
35	Lab 6b: More Ray Tracing	RT handout
36	Visualization 2: Objects	Tufte handout (2 & 4)
37	Color Basics; Term Project Prep	Color handout
38	Lab 7: Fractals & Terrain Generation	Fractals/Terrain handout
39	Visualization 3: Processes; Final Review 1	Tufte handout (3)
40	Project presentations 1; Final Review 2	-
41	Project presentations 2	-
	Final Exam	Ch. 1 – 8, 10 – 15, 17, 20

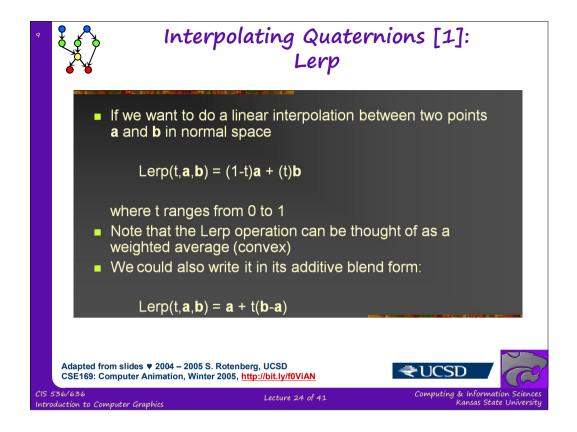


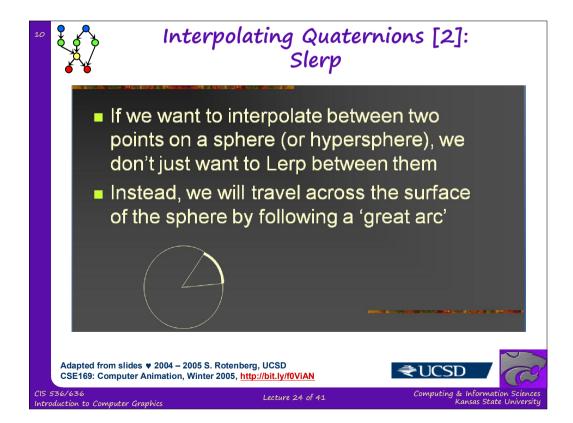


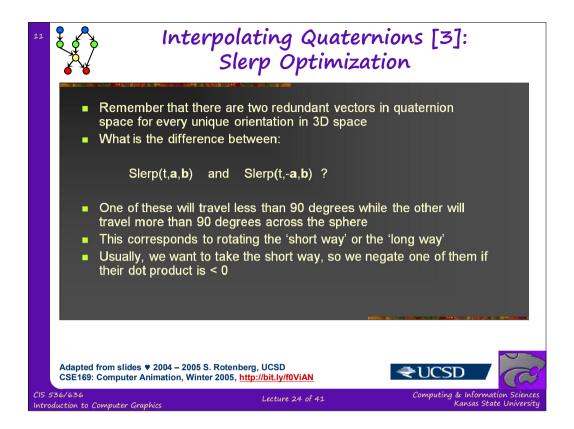


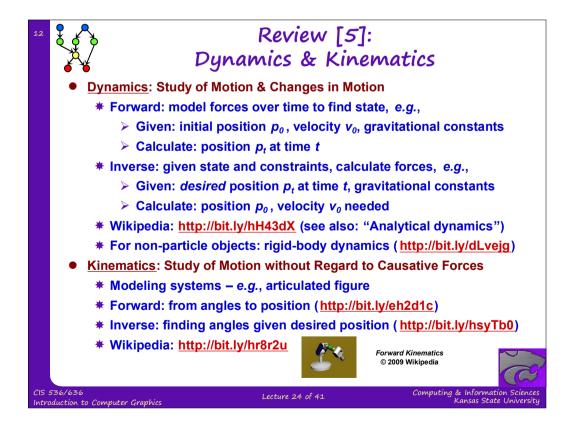


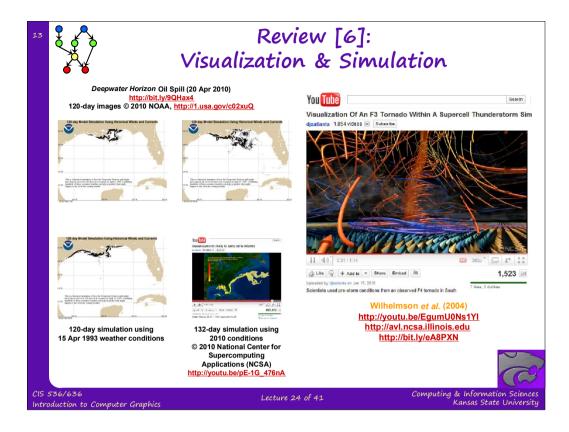








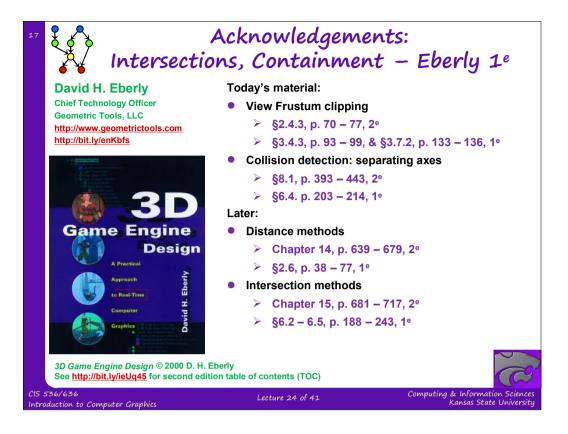


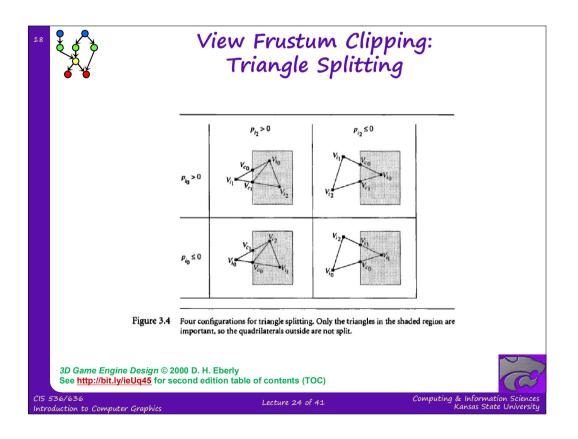


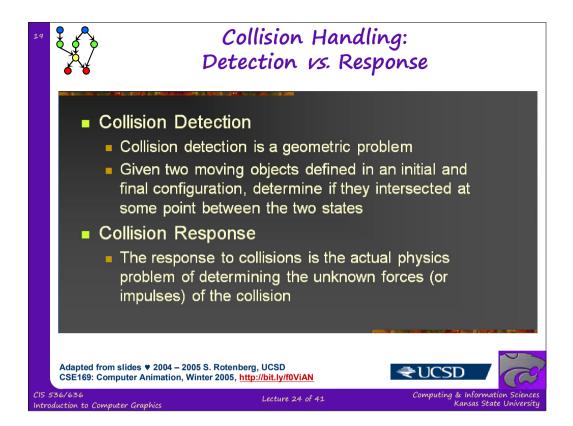


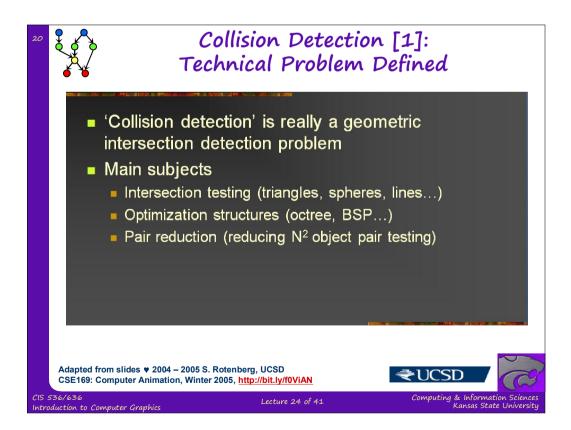


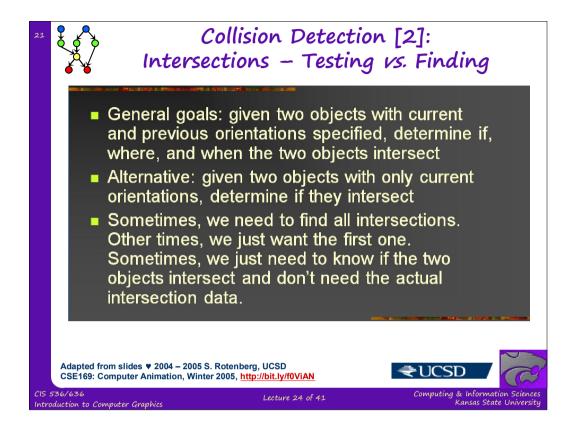


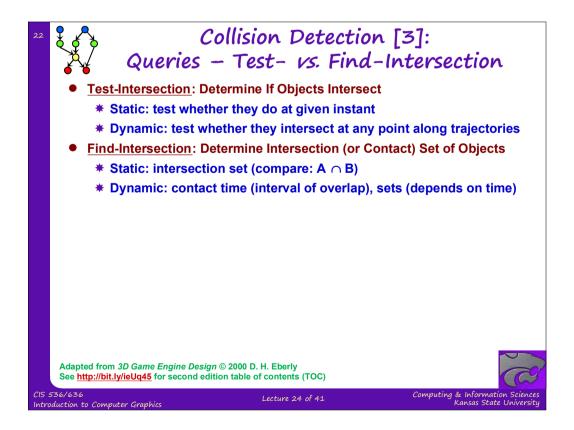


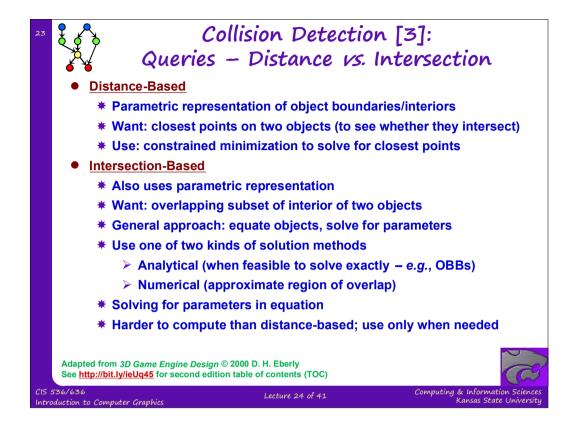


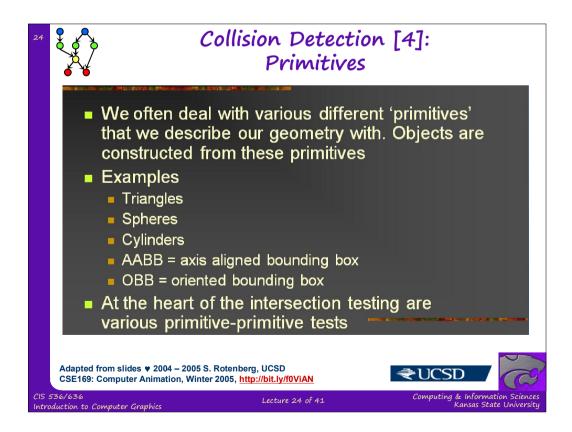


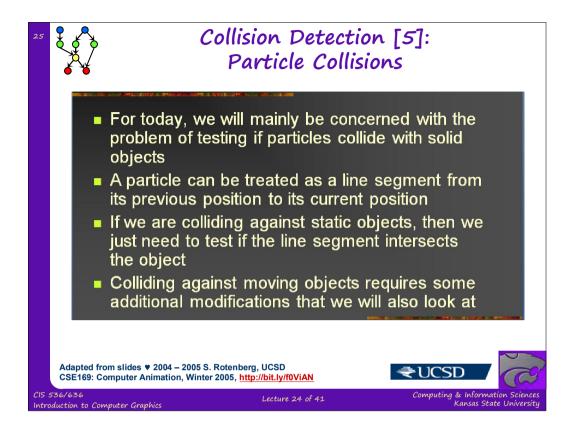


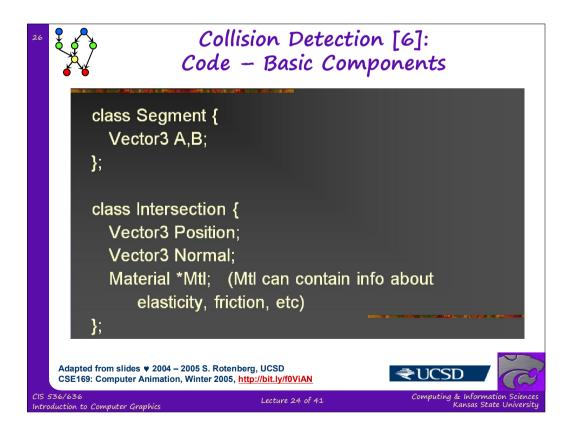


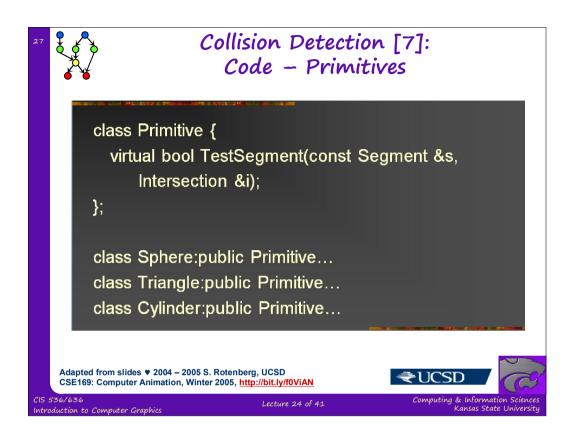


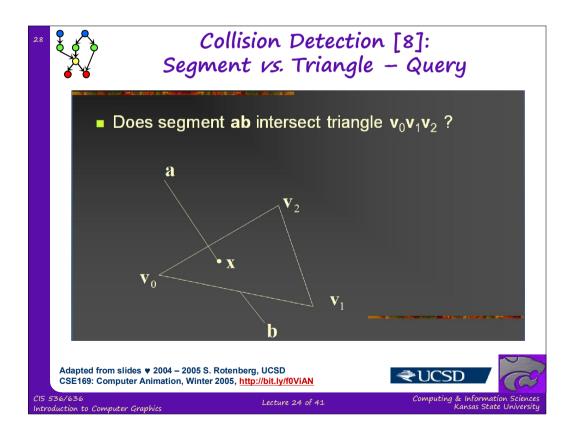


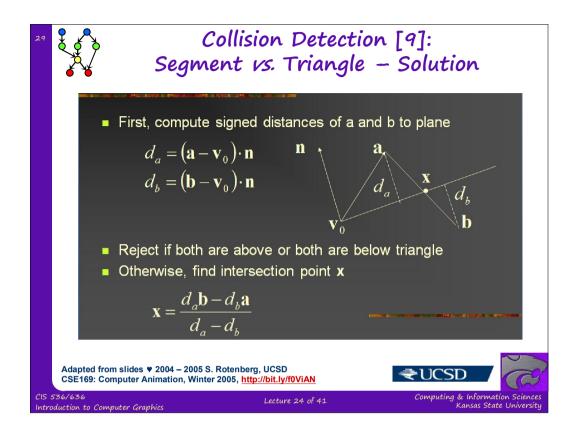


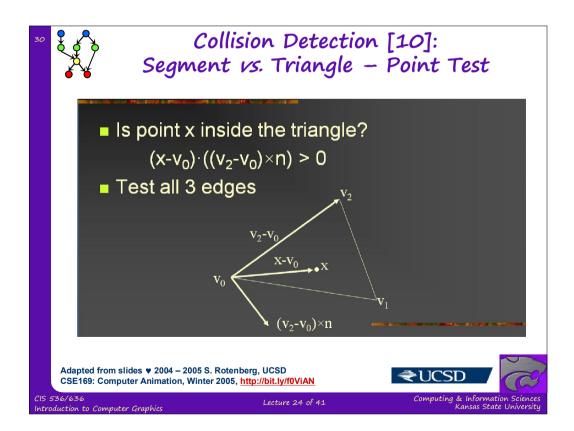


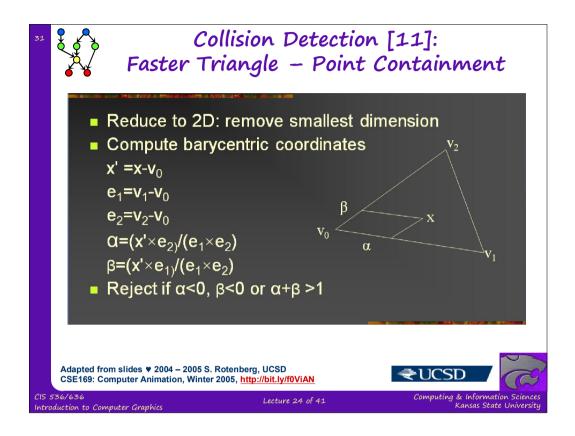


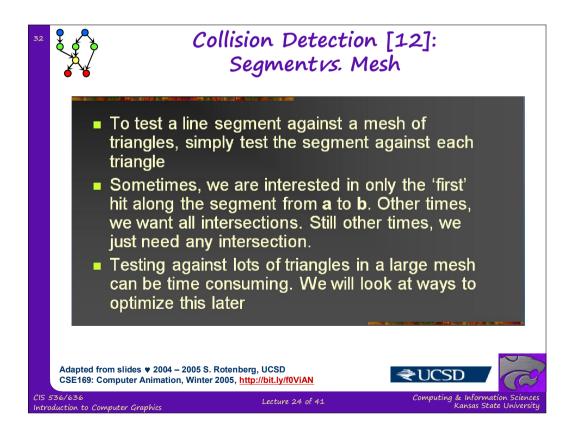


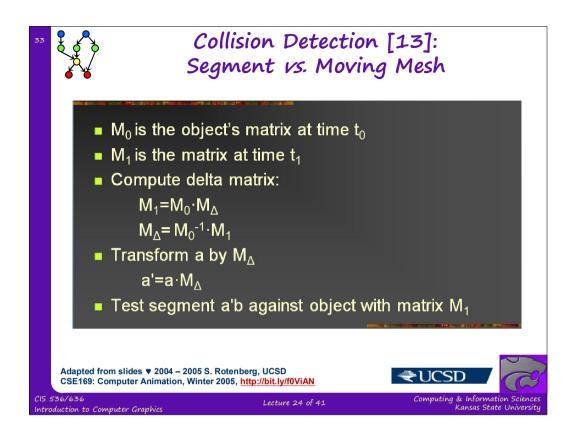


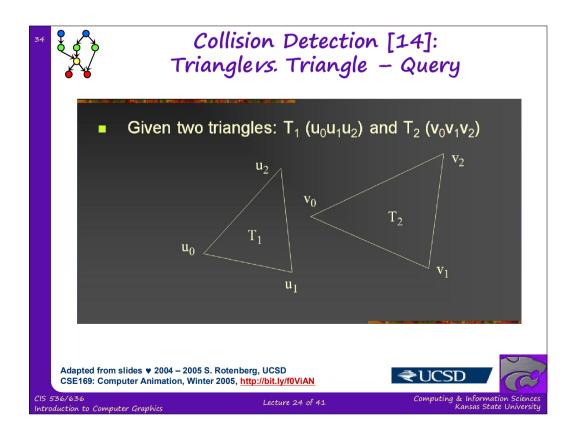


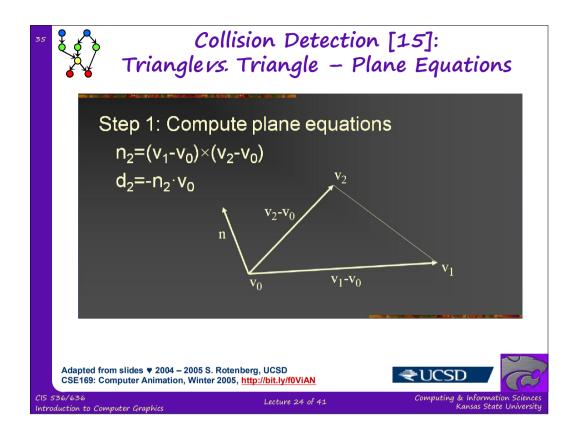


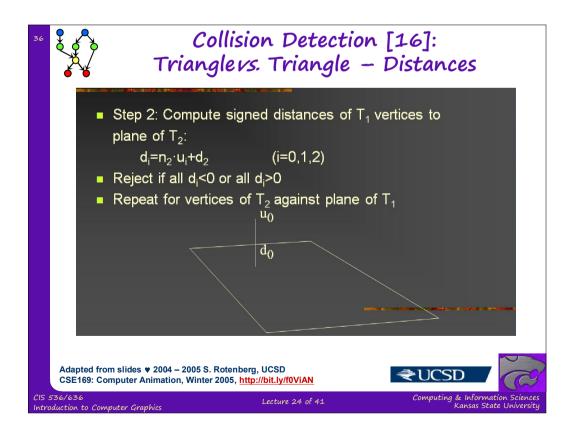


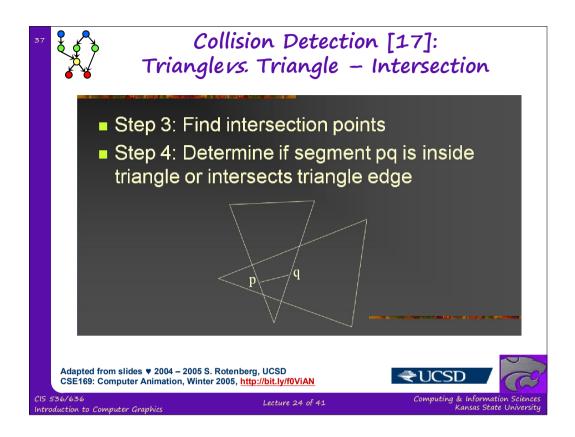


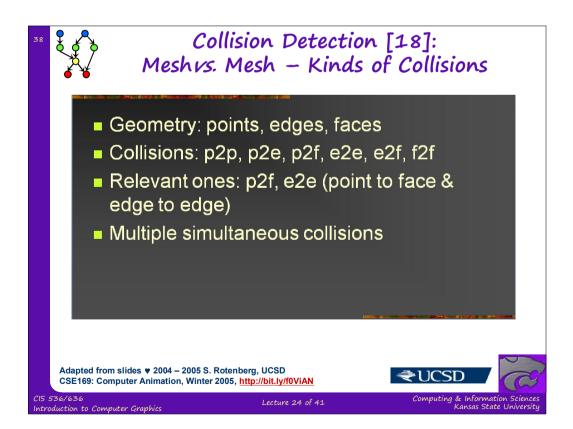


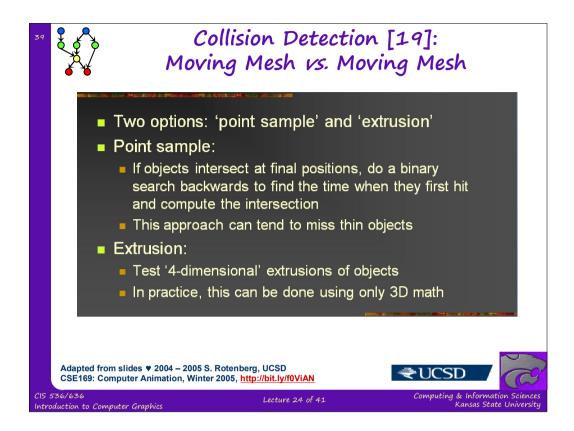


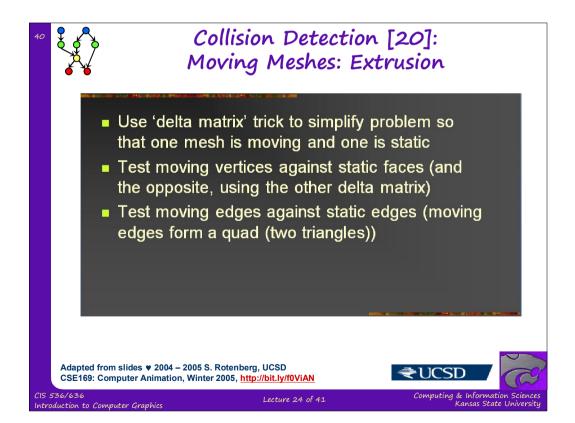


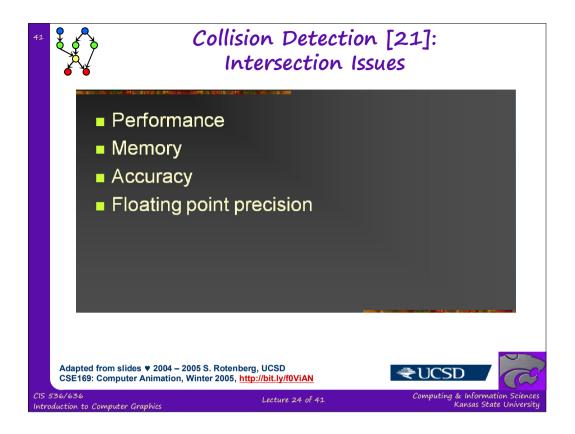


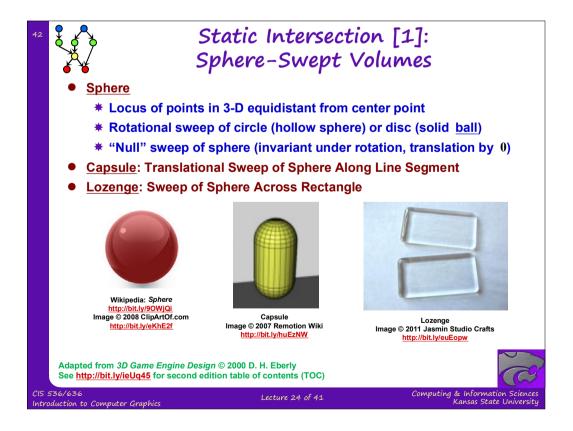












43 <b>Q</b>				Inters ance Co			
	Table 6.1		nip between sphe ent; <i>rct</i> , rectangle	-	es and distance c	alculators ( <i>pnt</i> , point; <i>seg</i> ,	
			Sphere	Capsule	Lozenge		
		Sphere Capsule	dist(pnt,pnt) dist(seg,pnt)	dist(pnt,seg) dist(seg,seg)	dist(pnt,rct) dist(seg,rct)		
		Lozenge	dist(rct,pnt)	dist(rct,seg)	dist(rct,rct)		
	D Game Engine Do ee <u>http://bit.ly/ieU</u>		0 D. H. Eberly and edition table o	of contents (TOC)			5
S 536/ troduct	'636 tion to Computer Gl	raphics		Lecture 24 of 41		Computing & Information S Kansas State Uni	

	Dynamic Intersection [1]: One Moving Object						
Table 6.6	object is n			e calculators when the secon ngle; pgm, parallelogram; ppa			
		Dynamic					
		Sphere	Capsule	Lozenge			
	Static						
	Sphere	dist(pnt,{pnt,seg})	dist(pnt,{seg,pgm})	dist(pnt,{rct,hex,ppd})			
	Capsule	dist(seg,{pnt,seg})	dist(seg,{seg,pgm})	dist(seg,{rct,hex,ppd})			
	Lozenge	dist(rct,{pnt,seg})	dist(rct, [seg,pgm])	dist(rct,{rct,hex,ppd})			
3D Game Engine							
36/636	<u>eoq45</u> for se	econd edition table of co		Computing & Information			
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