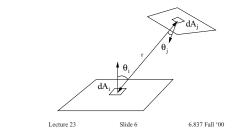
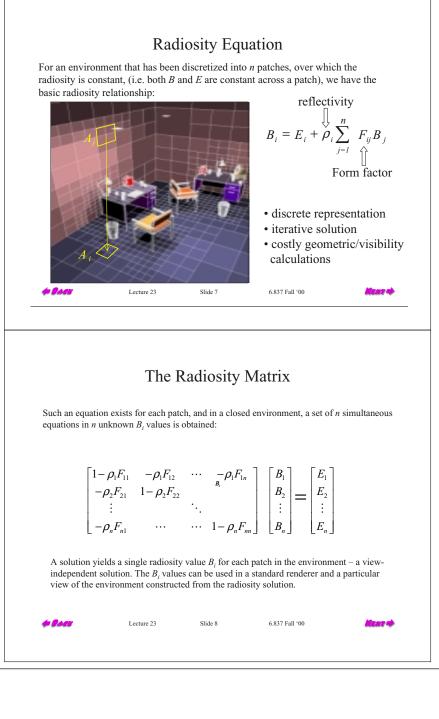
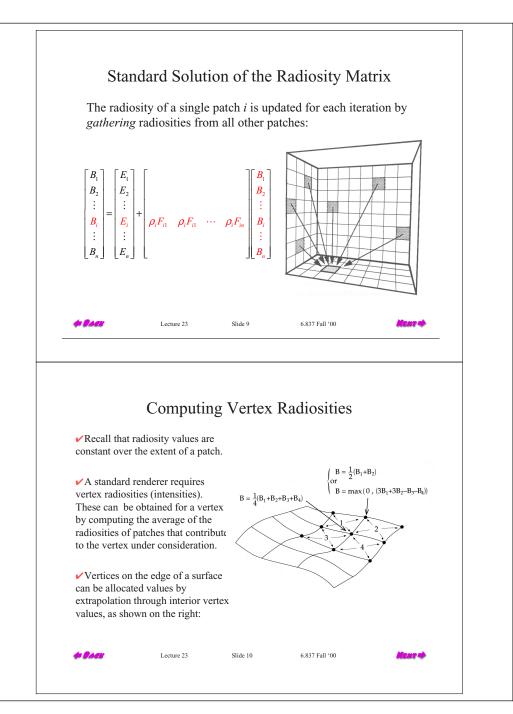


$$B_i dA_i = E_i dA_i + \rho_i \int_j B_j dA_j F_{dA_j dA_j}$$

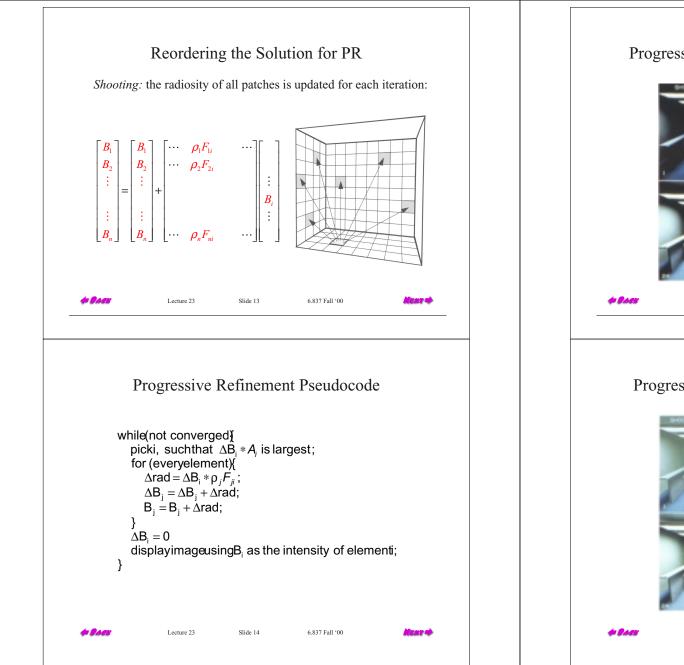
Radiosity x area = emitted energy + reflected energy



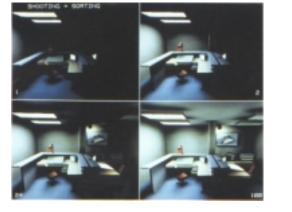




Solution the system equations sity solution	scene geometry Input of flectance properties	
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entire image is t	ipuated at every iterati	on, rather than a
	Slide 11 ogressive F refinement is to cefully refined to ecially amenable l problems of the he form factors. ogressive refinen ge of the form factors	Slide 11 6.837 Fall '00



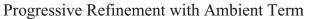
## Progressive Refinement w/out Ambient Term



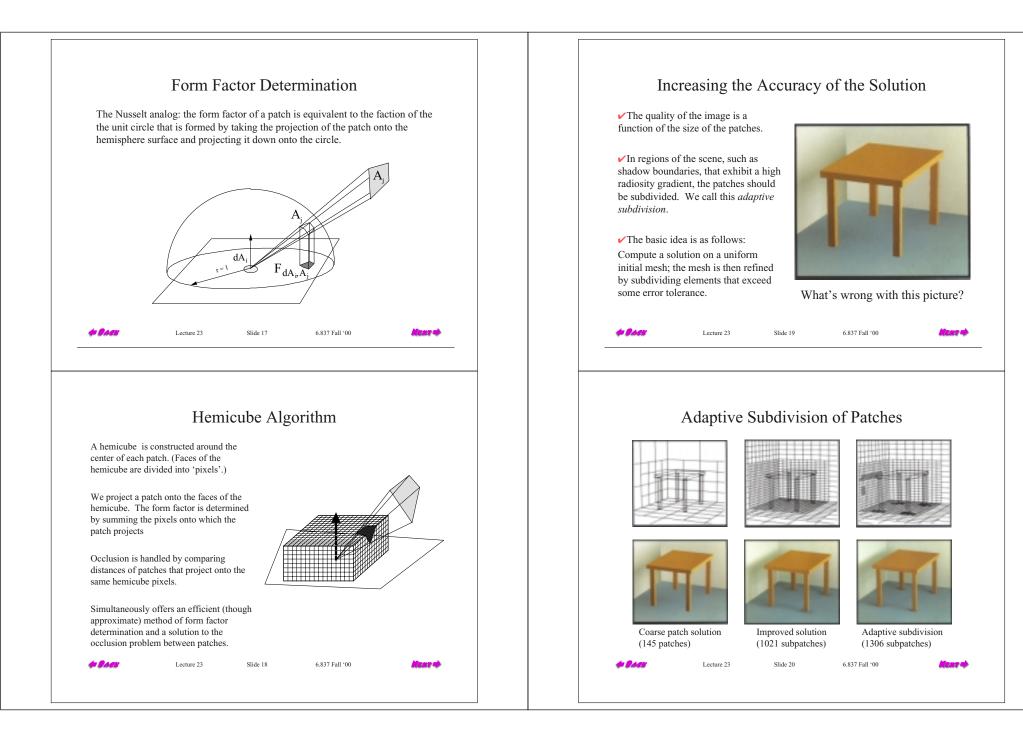
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Slide 15

Lecture 23







Create initial mesh of constant elements; Compute form factors; Soluci lines system; do until (all elements within error tolerance or minimum element takes reached) { Evaluates accuracy by comparing adjacent elements; Compute form factors for (each new element) all other elements; Compute radiosity of new element based on oid radiosity values; } Lucus 3 Not 2 N			
Image: Image in the image	Adaptive_subdivision (error_tolerance) { Create initial mesh of constant elements; Compute form factors; Solve linear system; do until (all elements within error tolerance	adiosities; tolerance; her elements;	30,000 patches.
	<ul> <li>✓ Calculation of form factors (&gt; 90 %)</li> <li>✓ Solution to the system of equations (&lt; 10 %)</li> <li>✓ Rendering the image</li> </ul>	scene geometry Input of reflectance properties	

