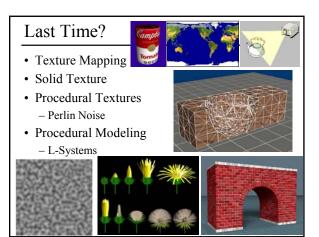
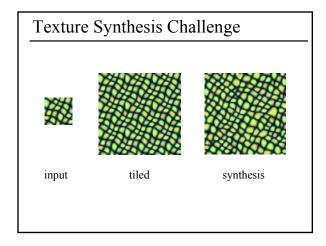
Texture Synthesis

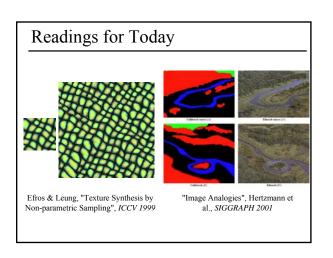


Today

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- Texture Synthesis Challenge
- Markov Model
- Constrained Texture Synthesis
- Image Completion
- Wang Tiles for Texture Synthesis
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Texture Tiling Specify a texture coordinate (u,v) at each vertex Canonical texture coordinates (0,0) → (1,1)





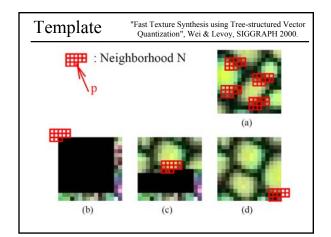
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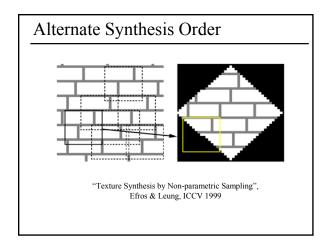
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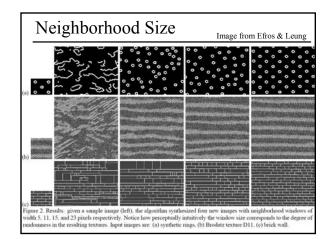
Markov Random Field

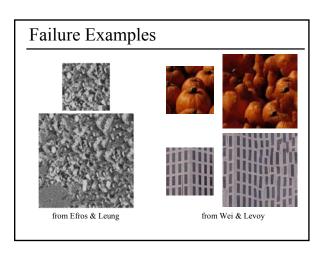
• English words and sentences can be modeled as a Markov Random Field:

"I spent an interesting evening recently with a grain of salt."





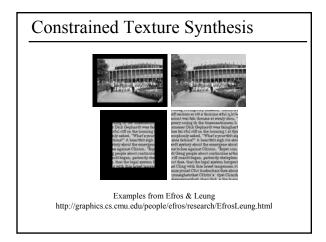


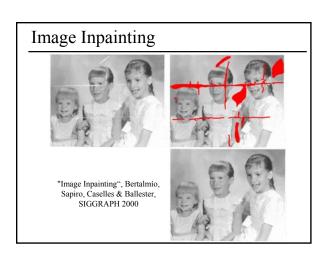


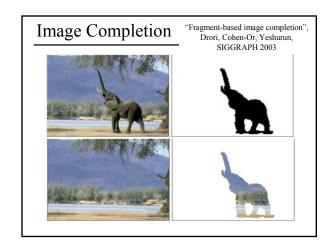
Questions?

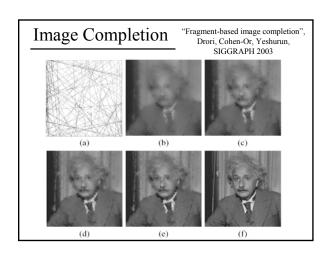
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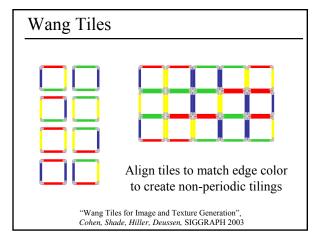


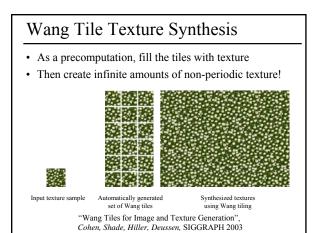


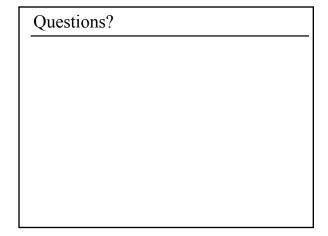
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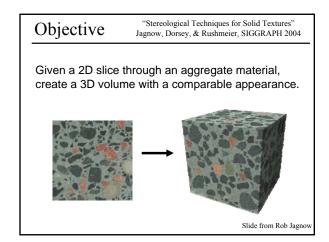


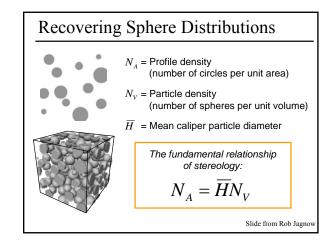


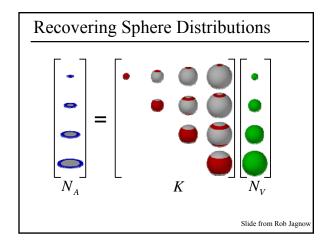


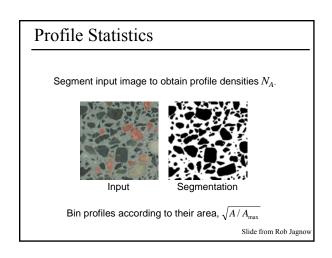
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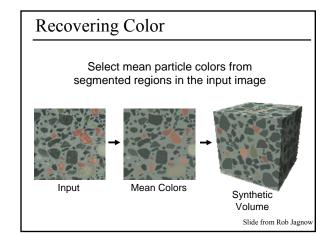
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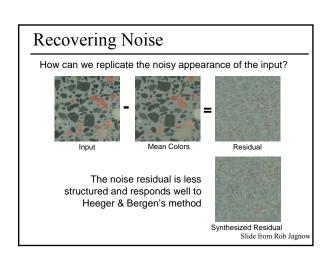


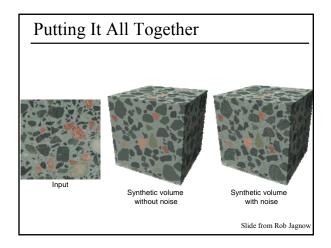














Rest of Term

• Friday April 13th: Last Lecture

• Friday April 20th: Lecture cancelled

Ask questions about final projects

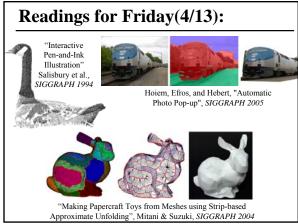
Office hours, noon-3pm (MRC 309A)

Tuesday May 1st: Final Presentations

• Tuesday April 17th: Quiz 2

- Pick up your quizzes

 Tuesday April 24th, Friday April 27th, &



Final Prese	nta	tion Sched	lule	
Tues. April 24	Fri. April 27		Tues. May 1	
1. Eric &	1.	Brandon	1.	Avi
Juda	2.	Cameron	2.	Rylan
2. Aaron &	3.	Dan W.	3.	Max
Chris	4.	Zhongyi	4.	Michael
3. Jake	5.	Justin	5.	Matt
4. Gabe &	6.	George	6.	Tim
Matt	7.	Casey	7.	Dan T.