











•••	Visual Perception
	 Closely spaced dots appear solid
	 But irregularities in diagonal lines can stand out
	 Any color can be produced from just three
	 Red, Blue and Green: "additive" primary colors
	 High frame rates produce apparent motion
	 Smooth motion requires about 24 frames/sec
	 Visual acuity varies markedly across features
	 Discontinuities easily seen, absolutes less crucial
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•••	Huffma	n Co	ding	l	
	 Opportu 	nity:			
	 Common colors are sent more often 				
	 Approach: 				
	 Use fewer bits to represent common colors 				
	1	Blue	75%	75x1 = 75	75x2 =150
	01	White	20%	20x2 = 40	20x2 = 40
	001	Red	5%	5x3 = 15	5x2 = 10
				130	200
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•••	Multimedia: Take One					
	Web Browser Media Player					
	 Object stored in a file File transferred as an HTTP object: Received entirely at the client Passed to media player 					
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•••	Simple RealAudio Demo
	 .ram file specifies URL for the RealAudio stream Dimensions of the picture URL for the picture See demo at http://www.umiacs.umd.edu/~jimmylin/LBSC690-2005-Fall/SMIL-demo/
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