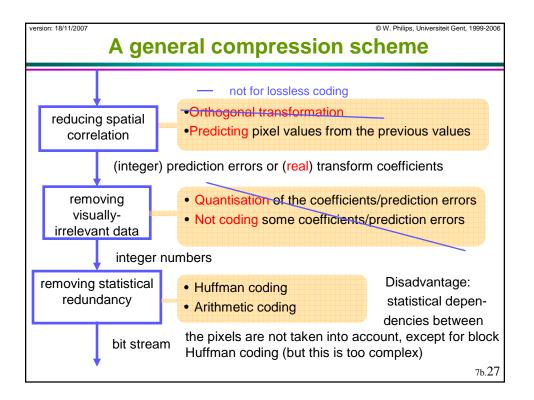
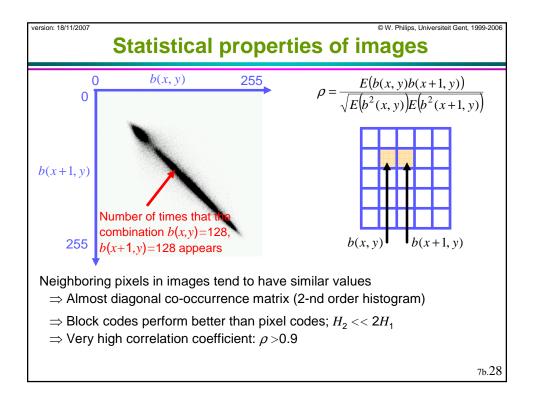
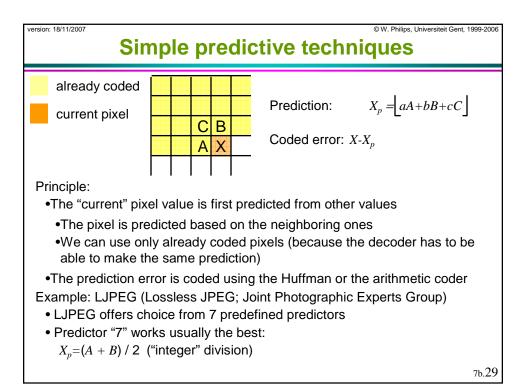
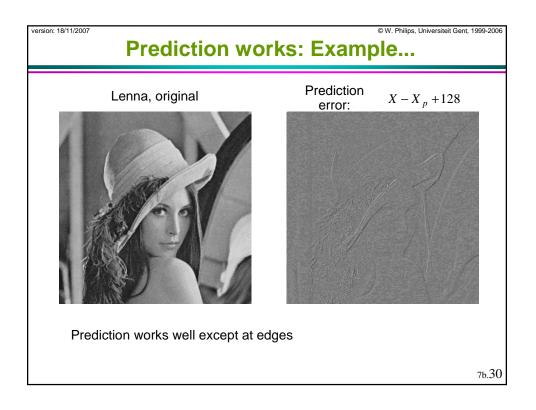


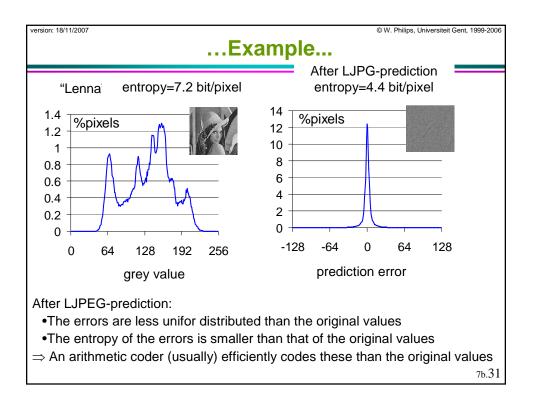
Lossless image compression techniques

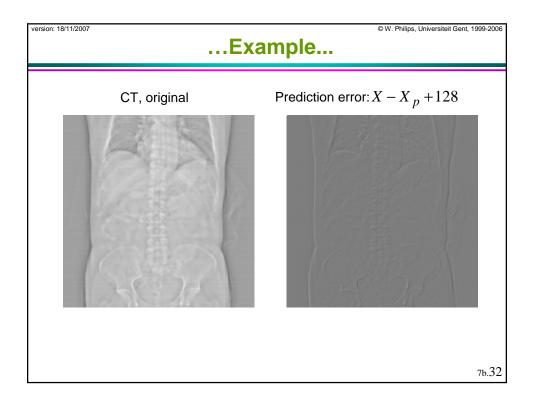


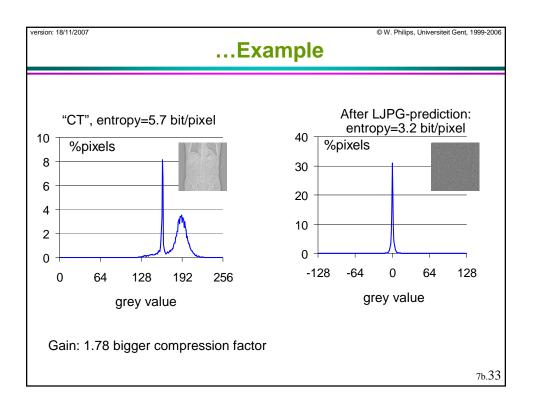


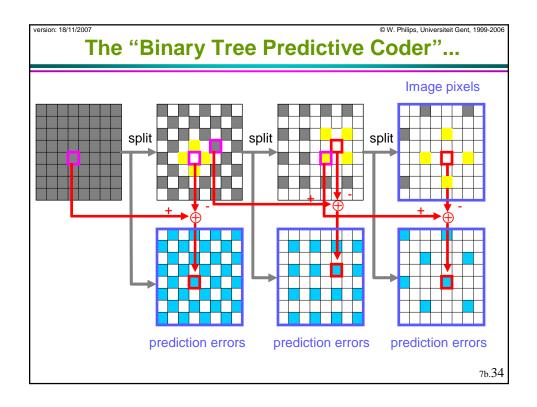


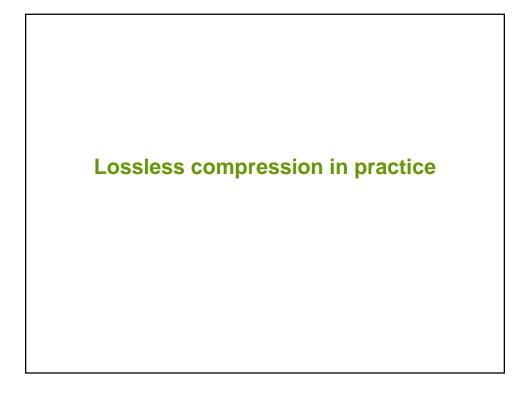


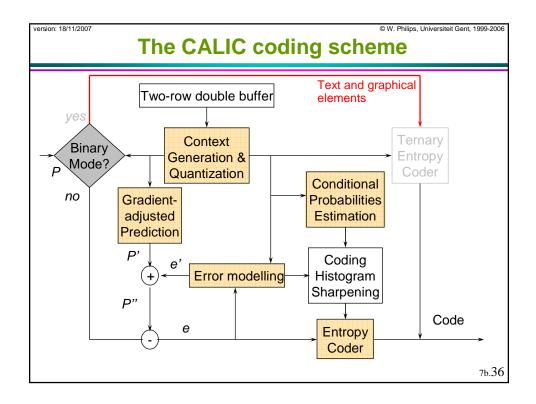


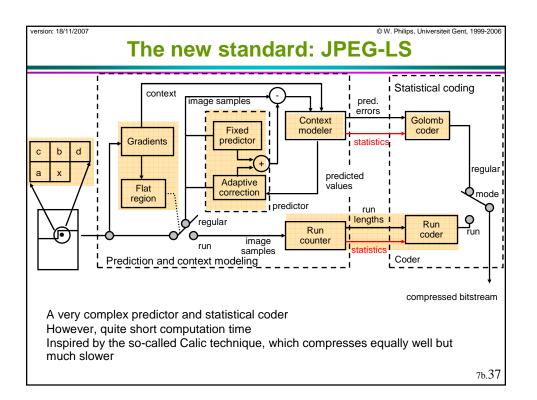


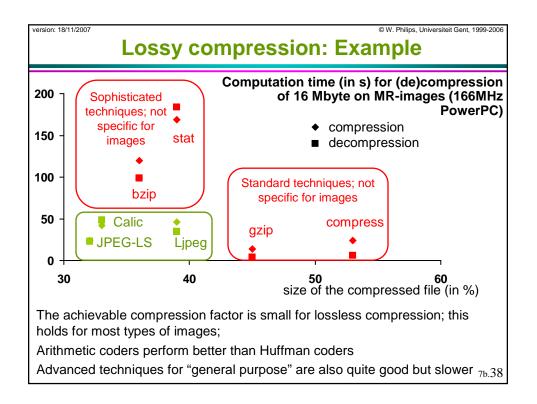


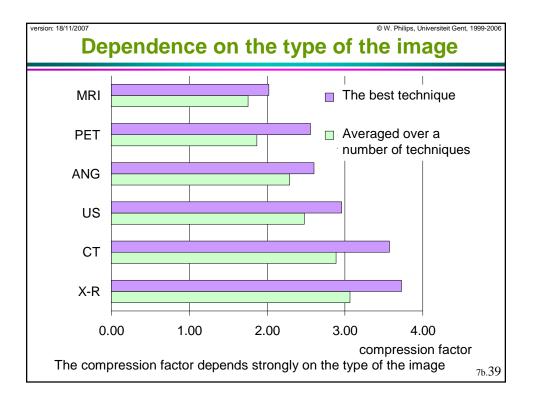












version: 18/11/2007 © W. Philips, Universiteit Gent Conclusions	., 1999-2000
Important principles •pre-processing: linear and non-linear prediction •context modeling •Statistical coding techniques: Huffman codes and arithmetic codes Performance comparison:	
 Sophisticated techniques (e.g. JPEG-LS en Calic) are better than simple ones (b.v. LJPG) Arithmetic coders perform better than Huffman coders 	
 Arithmetic coders perform better than Huffman coders Influence of the type of the data The compression factor strongly depends on the type of the image Images with big spatial resolution can be compressed best Results Typical compression factor is 2 to 4 on medical and "pre-press" 	
images	7ь.4(