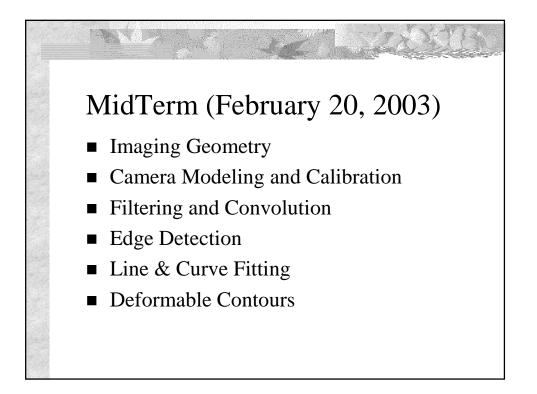
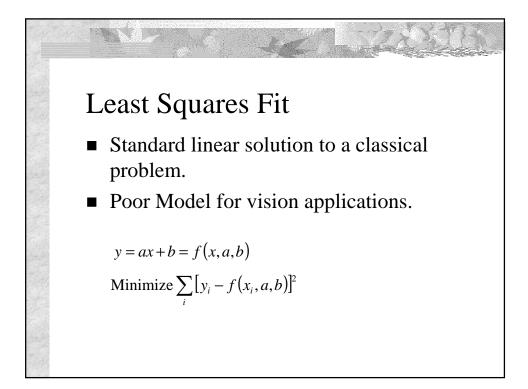
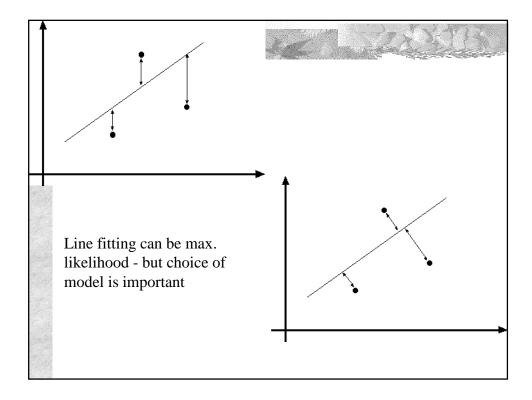
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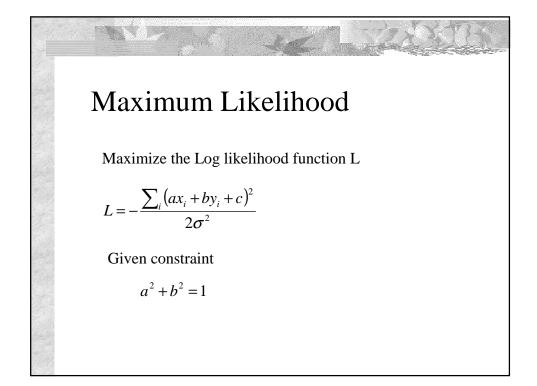
Khurram Hassan-Shafique

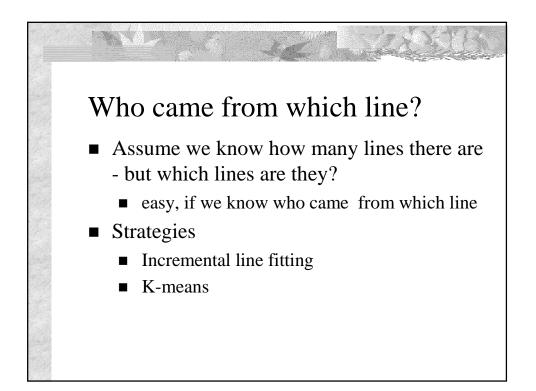


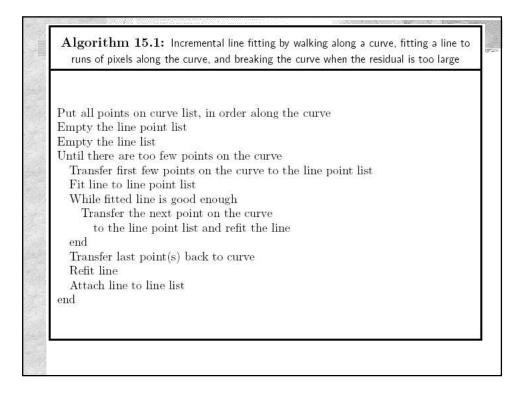


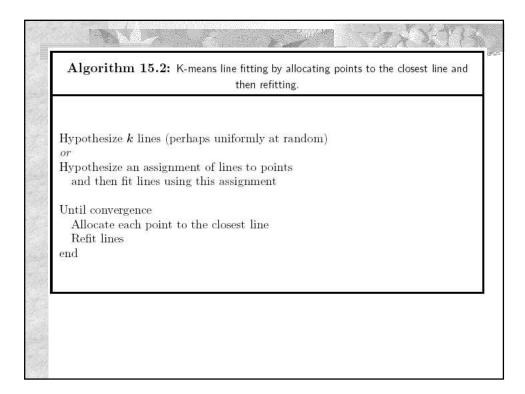






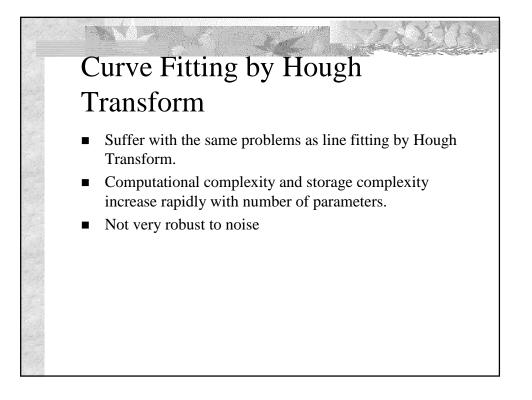


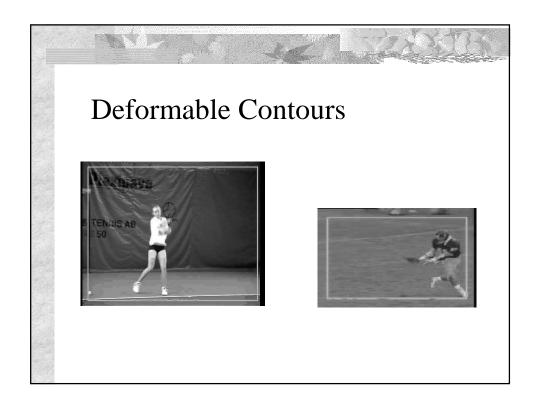


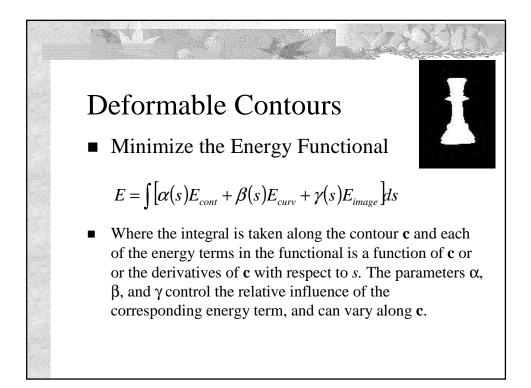


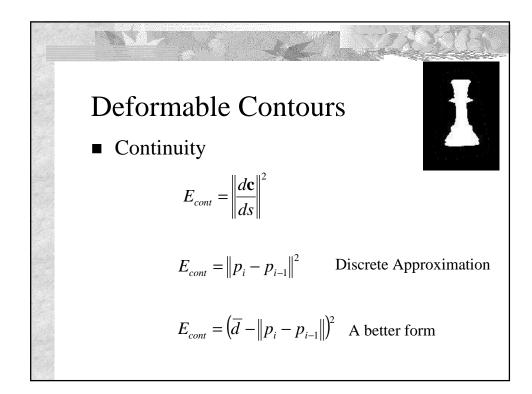
Curve Fitting by Hough Transform

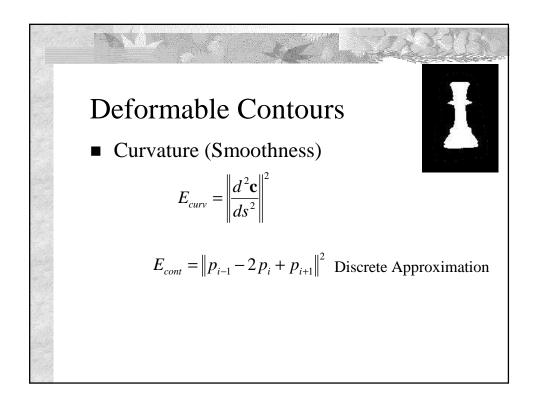
- Let *y*=*f*(*x*,**a**) be the chosen parameterization of a target curve.
- Discretize the intervals of variation of a₁,... a_k and let s₁,... s_k be the number of the discretized intervals.
- Let *A*(*s*₁,... *s*_k) be an array of integer counters and initialize all its elements to zero.
- For each pixel E(i,j) such that E(i,j)=1, increment all counters on the curve defined by $y=f(x,\mathbf{a})$ in A.
- Find all local maxima above certain threshold.

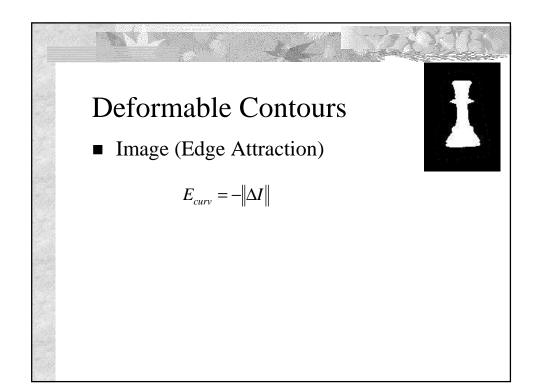


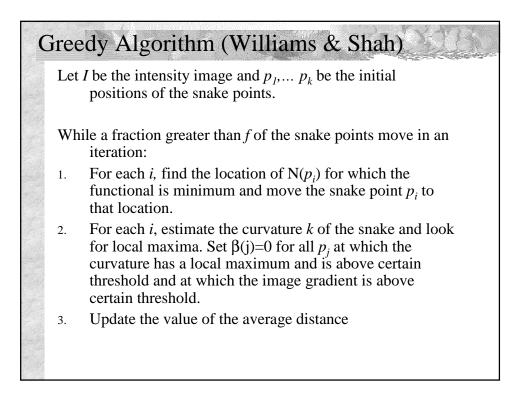












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