

Chenney & Forsyth, 2000



Animation CS 551 / 651

Chenney/Forsyth Paper

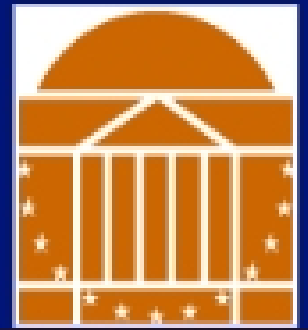


Likelihood of an animation

$p_{w,ball}(A)$ \equiv probability ball bounce animation
 A is observed

$$p_{w,ball}(A) \propto \prod_i e^{-\frac{1}{2} \left(\frac{\theta_i}{10.0} \right)^2}$$

- *A ball bounces on flat table i times with*
 - normal vector mean at 0 degrees;
 - standard deviation 10 degrees;



Constraints

We want $p_w(A | C)$

- *Examples*
 - The ball must start here and land there
 - The ball must go through this point
 - The initial acceleration must be foo