Possible timeline for first lecture

9/26/2005

Title: Lines and Planes

- 1. Lines (10 minutes)

    – Parametrization of lines
    – Symmetric equation of lines

- 2. Planes (10 minutes)

    – Parametrization of planes
    – Implicit equation of planes
    – Construction from 3 points

- 3. Distance point-line (5 minute)

- 4. Distance point-plane (5 minute)

- 5. Distance line-line (5 minute)

- 6. Example

    – distance of parallel planes (use distance point plane)
    – distance of sphere to plane