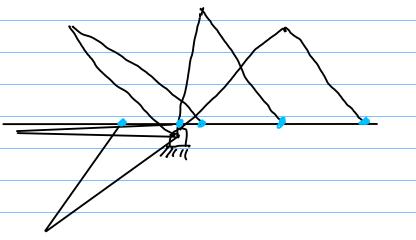
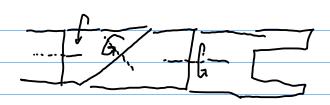
Singularities

At a singularity the manipulator loss, one or more degrees of frechom - some direction it cannot move Interior singularities

Boundary

Joint rate > 00 at a singularity





Teach & playback

Move to a posstion using a teach pendant"

Record the joint angles

Play buck through point

- No inverse Kinematics required

Repeatability - how precisely can you return

to a taught point

If you are moving to a comparted point

ey. Vision locates object

Inverse Kinematics are Involved

Accuracy - how precisely can you achieve

a computed point

- depends on knowledge of joint parameters

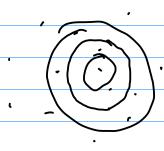
- Knowledge of joint angle is a Lig factor

- depends on accurate home

Repentability is usually good Accuracy is asually worse







High accuracy High repeatability

Low accuracy
High repeatability

Low accuracy Low repeatability

