

Lecture 23

SPACE GEOMETRY

:: INTERSECTION OF SOLIDS

- LINES, PLANES & SOLIDS



TA 101 : Engineering Graphics

2007-08 Semester II

January – May 2008

OUTLINE

- Introduction
- Two basic sets
 - Lines & Solids
 - Planes & Solids



INTRODUCTION

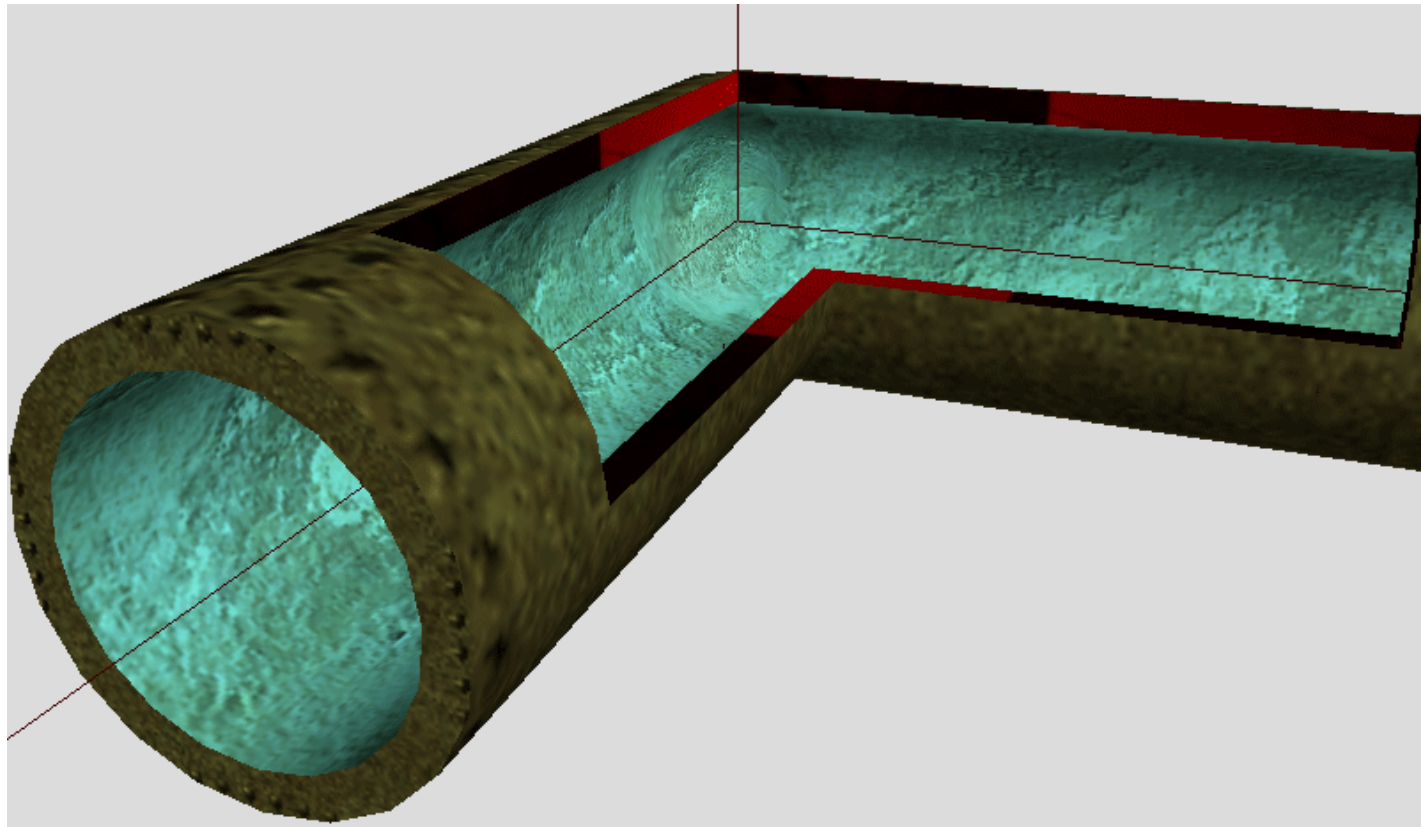
WHAT IS INTERSECTION?

- Wiring junctions



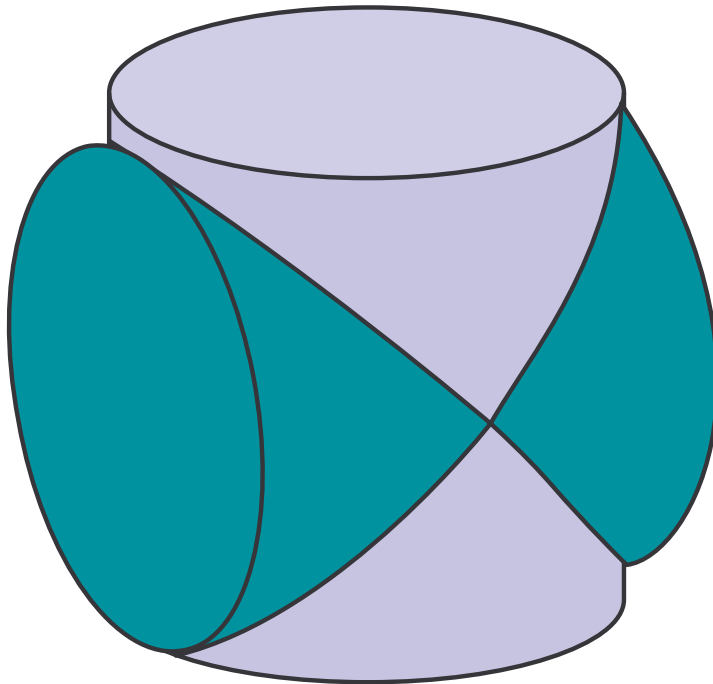
WHAT IS INTERSECTION?

- Pipe corners



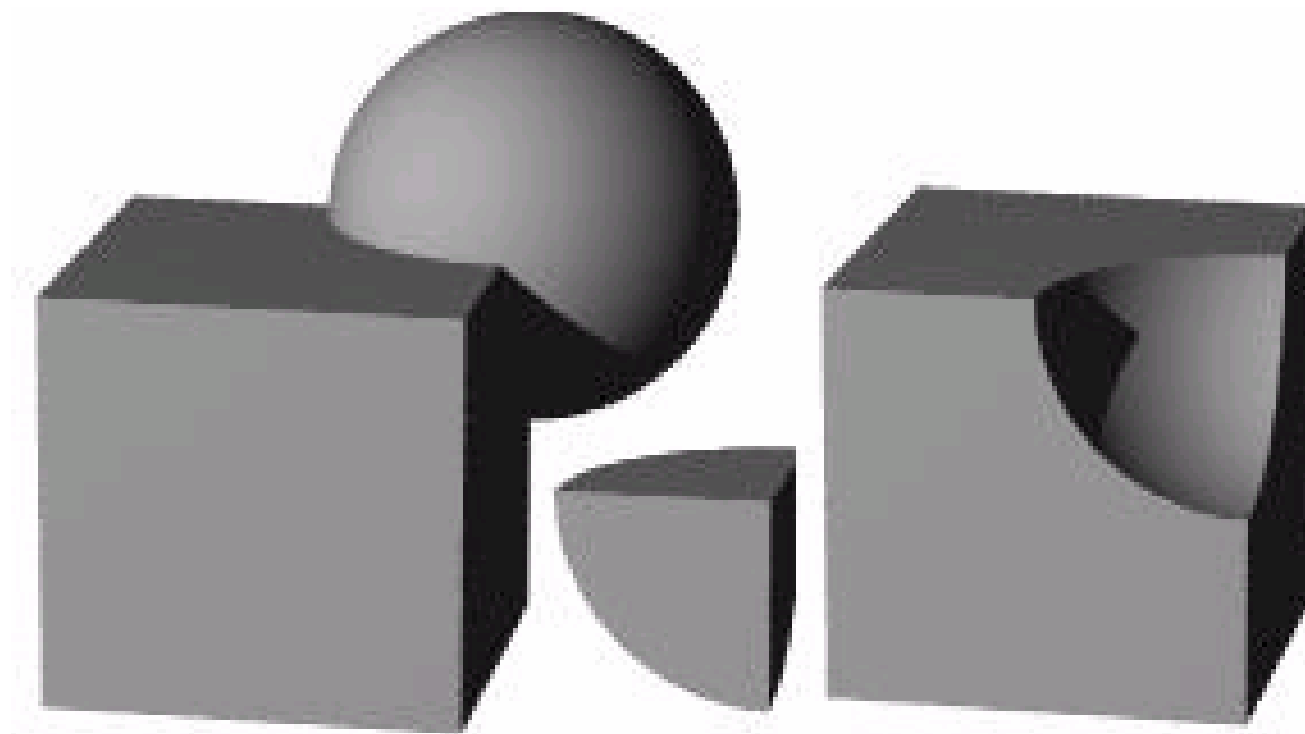
WHAT IS INTERSECTION?

- Transition regions



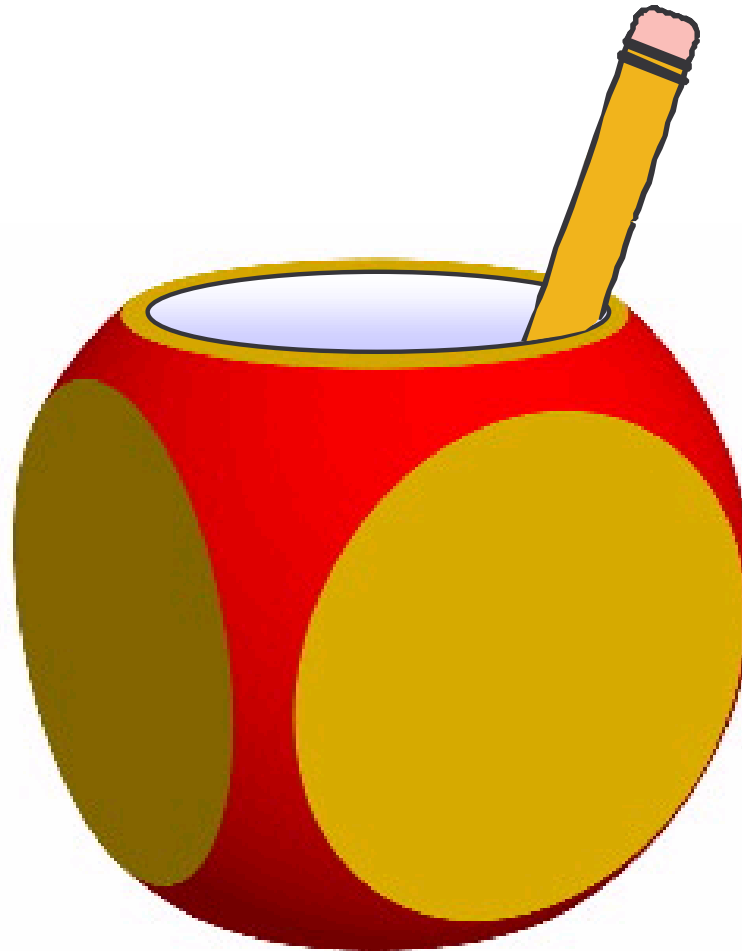
WHAT IS INTERSECTION?

- Solid objects



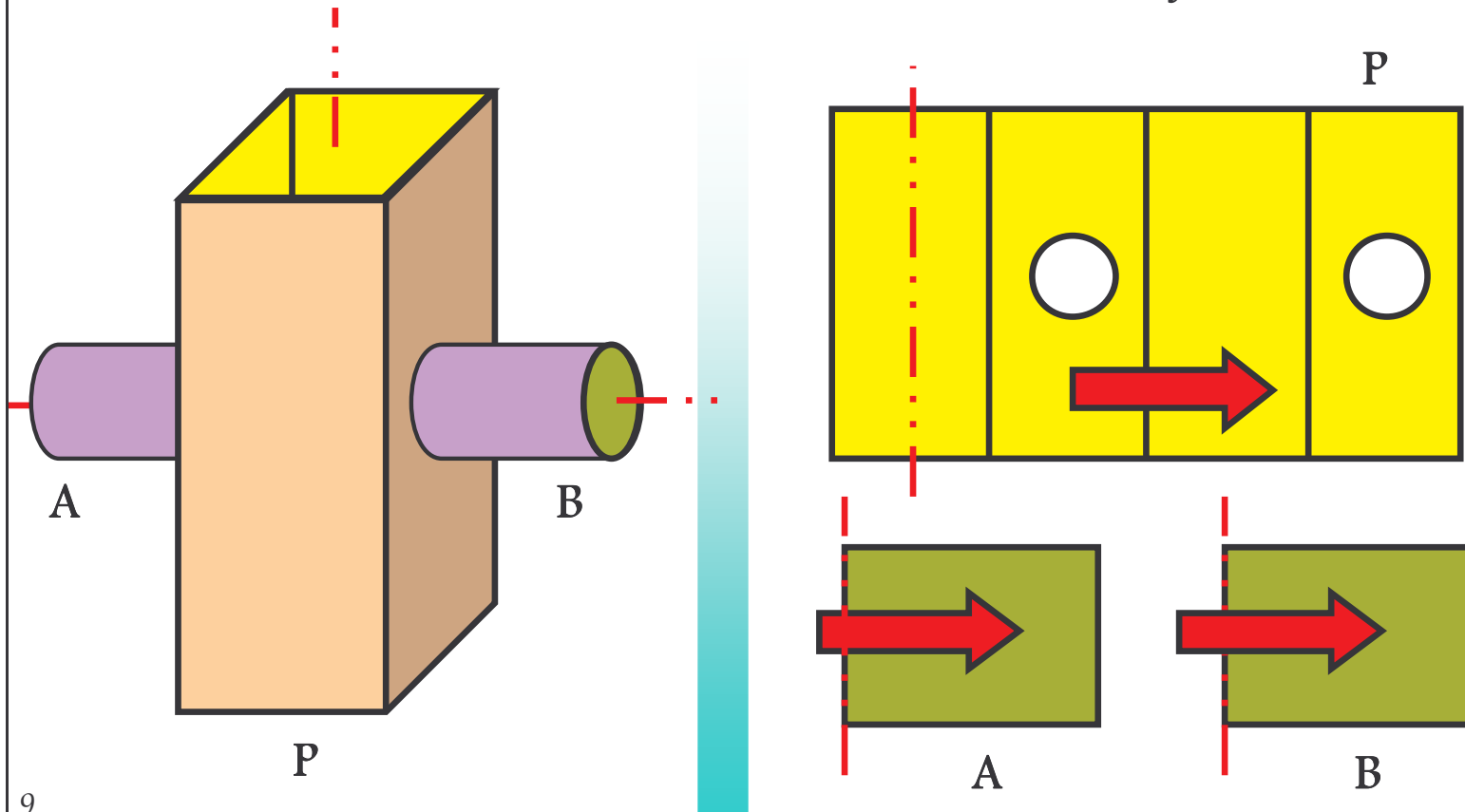
WHAT IS INTERSECTION?

- Surfaces

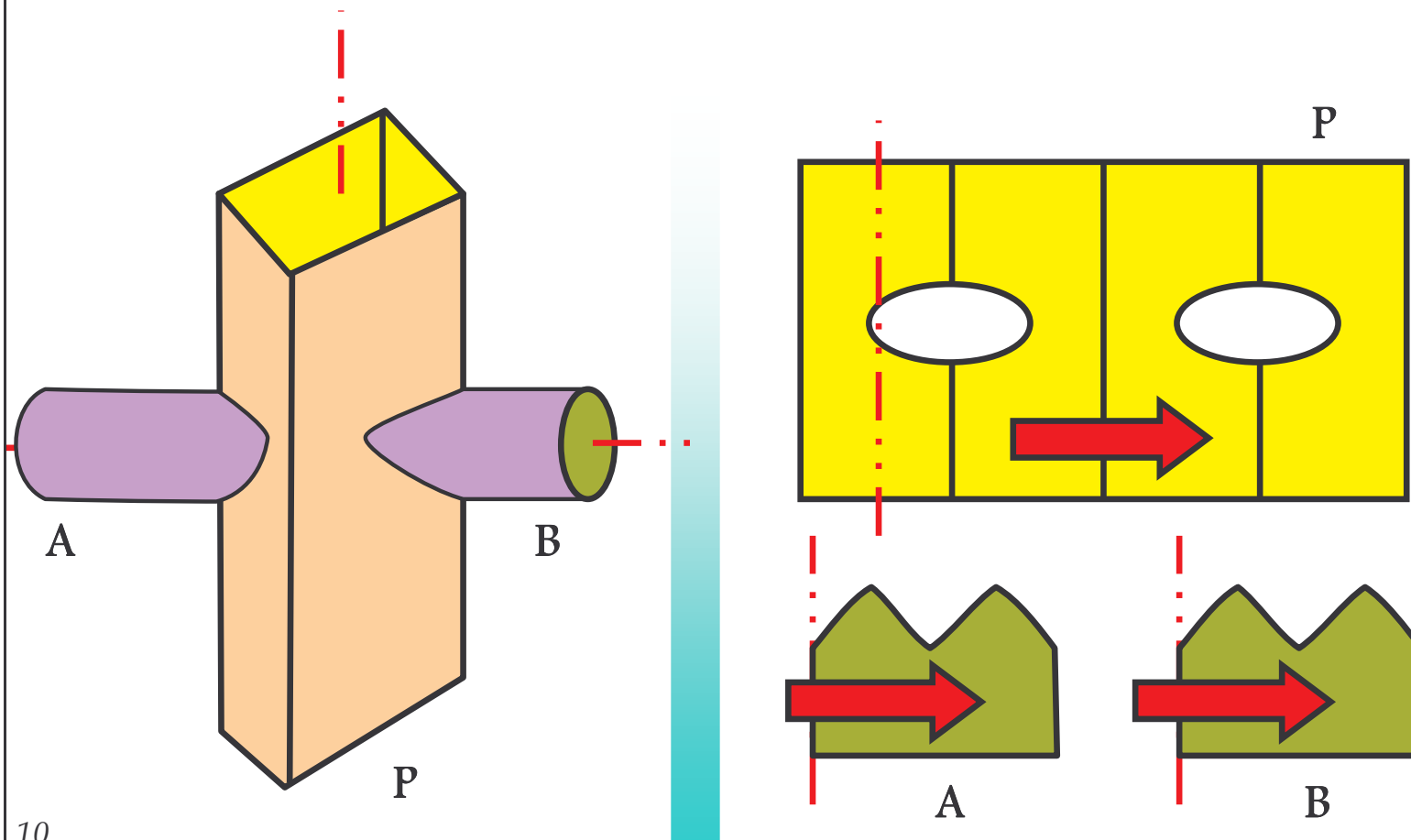


WHY INTERSECTION IS IMPORTANT?

- To know the true shape of surfaces that meet
 - To ensure smooth transitions between objects



WHY INTERSECTION IS IMPORTANT?

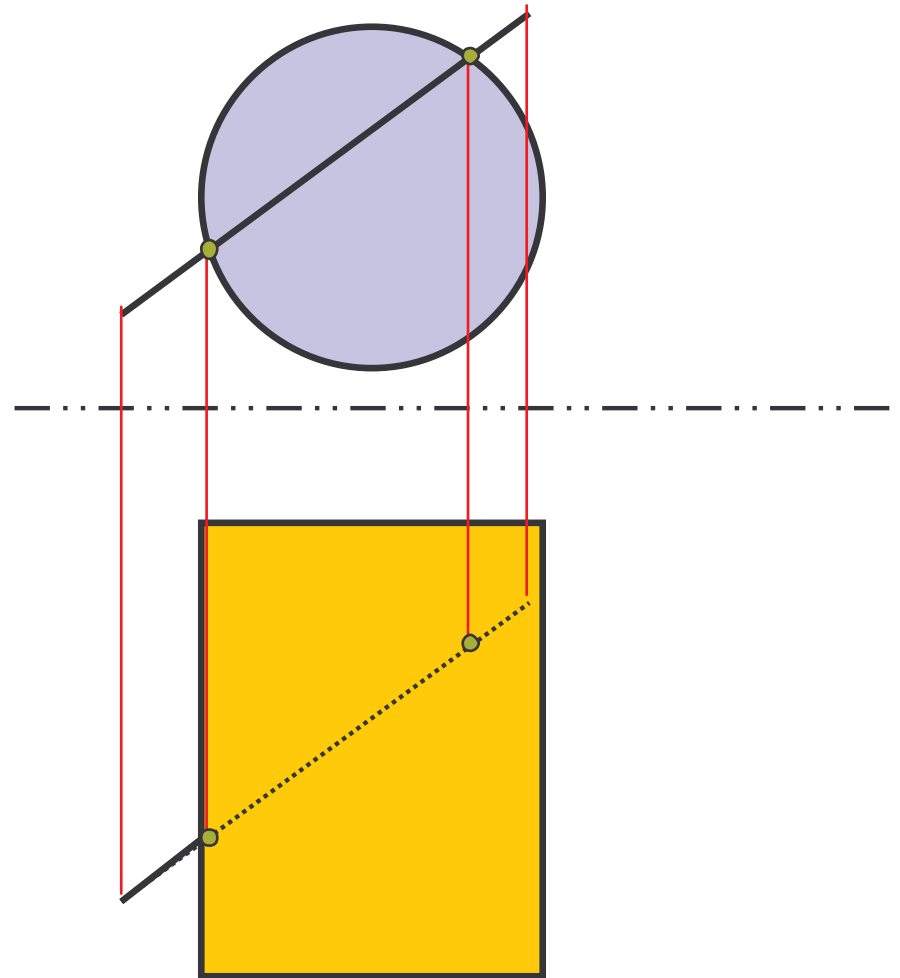


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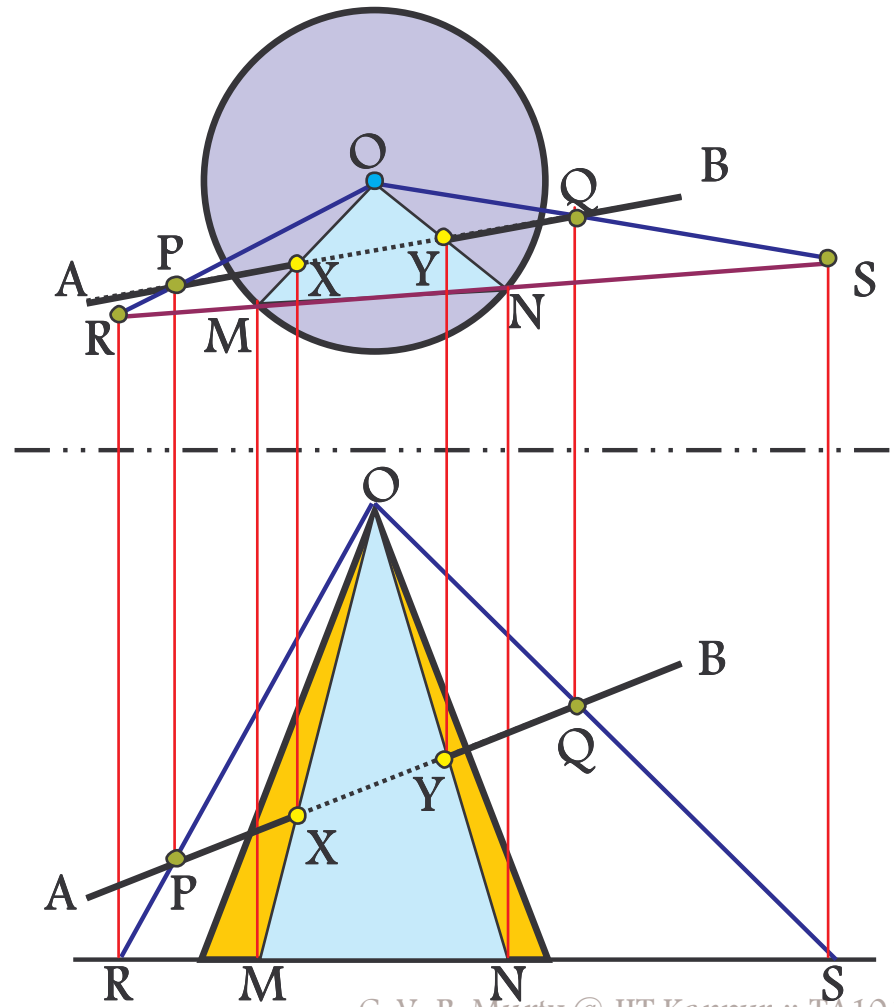



LINES & SOLIDS

LINE & CYLINDER



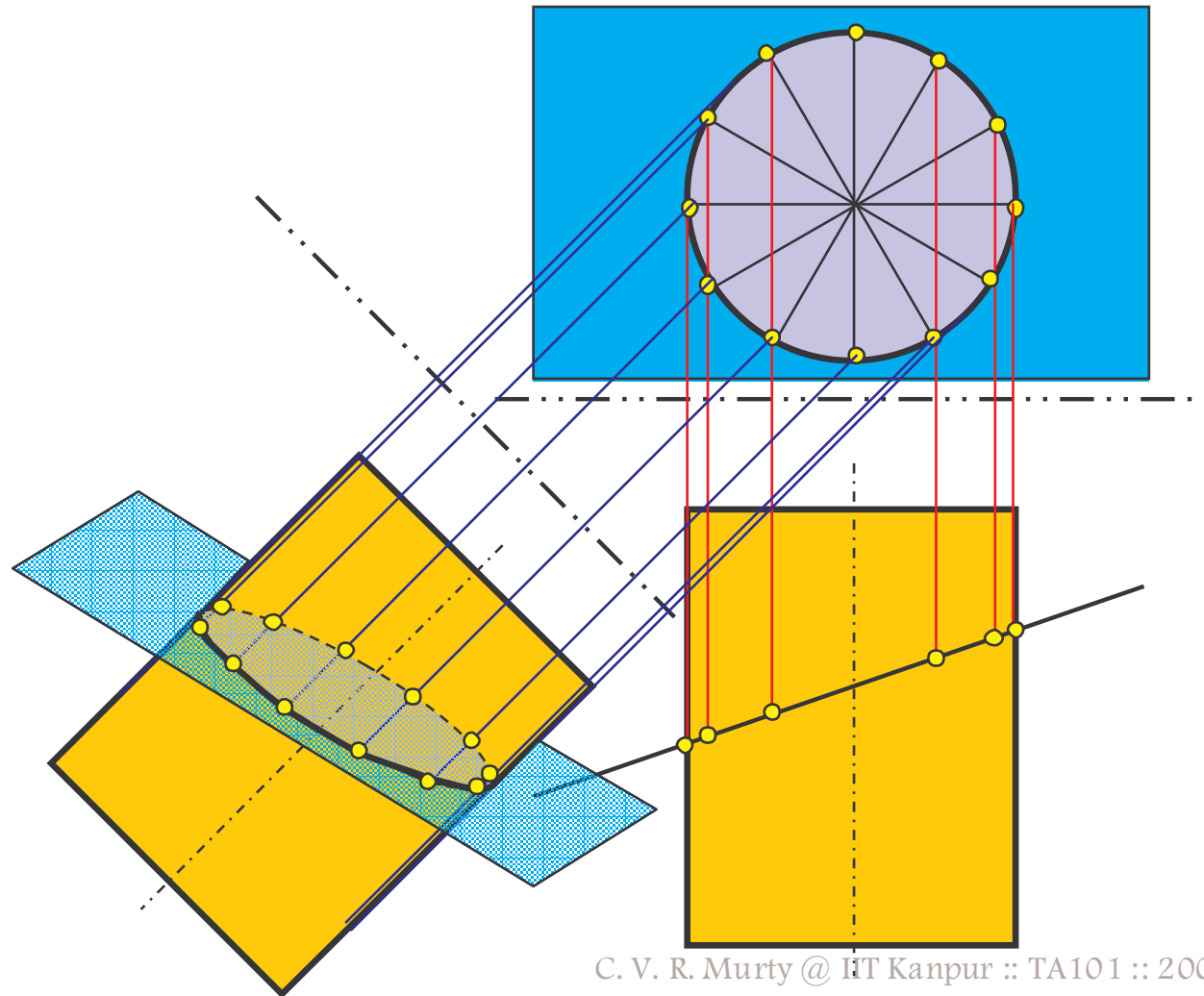
LINE & CONE



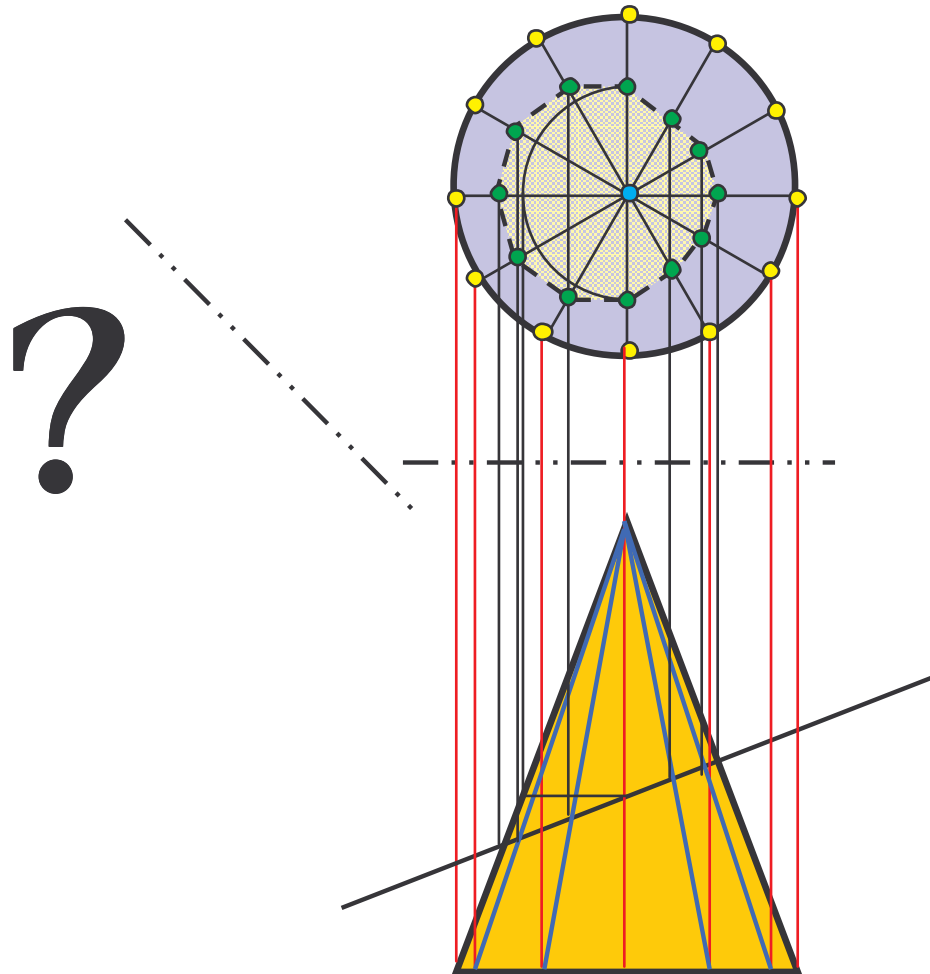


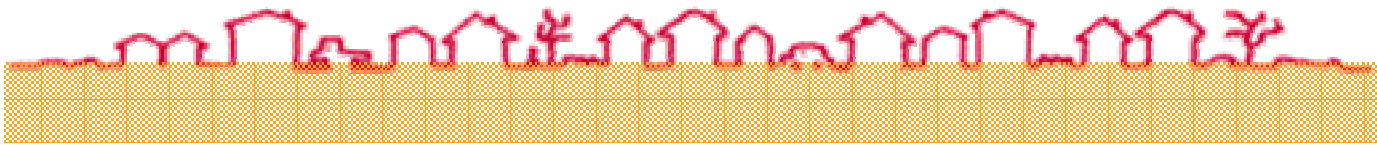
PLANES & SOLIDS

PLANE & CYLINDER



PLANE & CONE





Have a Great Day!!

