

Traces of Planes

Projections of planes parallel to one of the reference planes

- Plane parallel to VP (Perpendicular to HP)
- Plane parallel to HP (Perpendicular to VP)

Projections of planes inclined to one of the reference planes and perpendicular to other

- Plane inclined to VP perpendicular to HP
- Plane inclined to HP perpendicular to VP

Projections of plane perpendicular to both planes

Projection of plane inclined to both planes

Projections of Solids

Types of Solids

- Polyhedron
- Prisms
- Pyramid
- Solids of revolutions

Projections of Solids in simple positions

- Projection of solid having axis perpendicular to HP
- Projection of solid having axis perpendicular to VP

Projections of Solids with axes inclined to one plane and parallel to other

- Projections of solids having axis parallel to VP and inclined to HP
- Projections of solids having axis parallel to HP and inclined to VP

Projection of Solids having axes inclined to both the planes

Sections of Solids

Sections of Prisms

- Section plane parallel to VP
- Section plane parallel to HP
- Section plane perpendicular to HP inclined to VP
- Section plane perpendicular to VP inclined to HP

Sections of Pyramids

- Section plane parallel to the base of pyramid
- Section plane parallel to VP
- Section plane perp to VP and inclined to HP
- Section plane perp to HP and inclined to VP

Sections of Cylinders

- Section plane parallel to the base
- Section plane parallel to the axis
- Section plane inclined to the base

Sections of Cone

- Section plane parallel to base of Cone
- Section plane passing through apex of Cone
- Section plane parallel to a generator of Cone

Development of Surfaces

- Development of Prisms
- Development of Cylinder
- Development of Cone
- Development of Pyramid

Intersection of Surfaces

- Intersection of two Prisms
- Intersection of two Cylinders
- Intersection of Prism and Cylinder
- Intersection of Cone and Cylinder
- Intersection of Cone and Prism
- Intersection of Cone and Cone

Isometric Projection

- Introduction
- Isometric drawing of a Plane Figures
- Isometric drawing of Prism
- Isometric drawing of Pyramid
- Isometric drawing of Cylinder
- Isometric drawing of Cone
- Isometric drawing of Sphere

