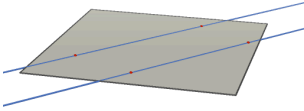


Space Geometry Basic Definitions

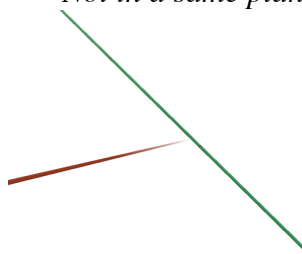
(non metric)

I. Relative positions of two lines in space :

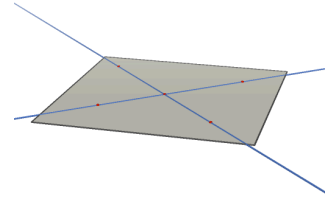
(a) No common point
parallel in a plane



(b) No common point
Not in a same plane

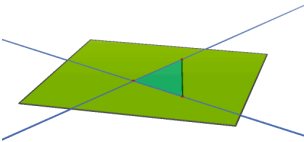


(c) One common point
(in a same plane)

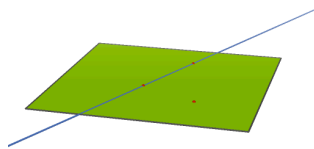


II. Definition of a plane in space :

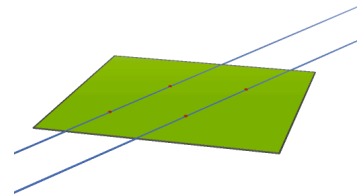
(a) Three points
or two intersecting lines



(b) One line and a point
out of that line

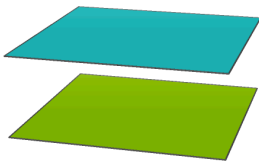


(c) Two parallel lines

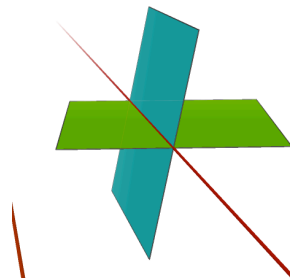


III. Relative position of two planes :

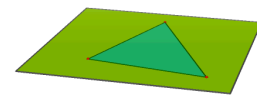
(a) No common point:
Parallel



(b) One common line :
Interception

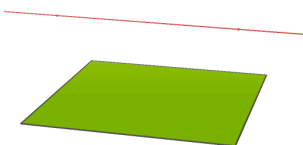


(c) Three common points,
not alined : Identical

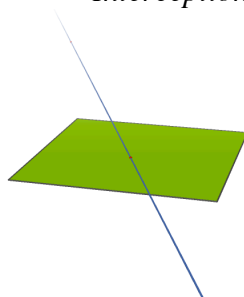


IV. Relative position of a line and a plane

(a) No common point:
Parallel



(b) One common point:
Interception



(c) Two common points
or a line : Inclusion

