Tutorial : Solid geometry

1. MINIMAL DISTANCE BETWEEN A POINT AND A PLANE

2. FORMULA OF A PLANE CONTAINING THREE POINTS A, B AND C

3. CROSS SECTION AND ANGLES

$$|(AB, CD)| = \frac{\sin(\theta + \varphi)\sin(\varphi + \psi)}{\sin(\theta + \varphi + \psi)\sin(\varphi)}$$

4. DISTANCE BETWEEN TWO POINTS ON A UNIT SPHERE

$$d(X, Y) = \cos^{-1}(X \cdot Y).$$

5. COSINE RULE ON A SPHERE