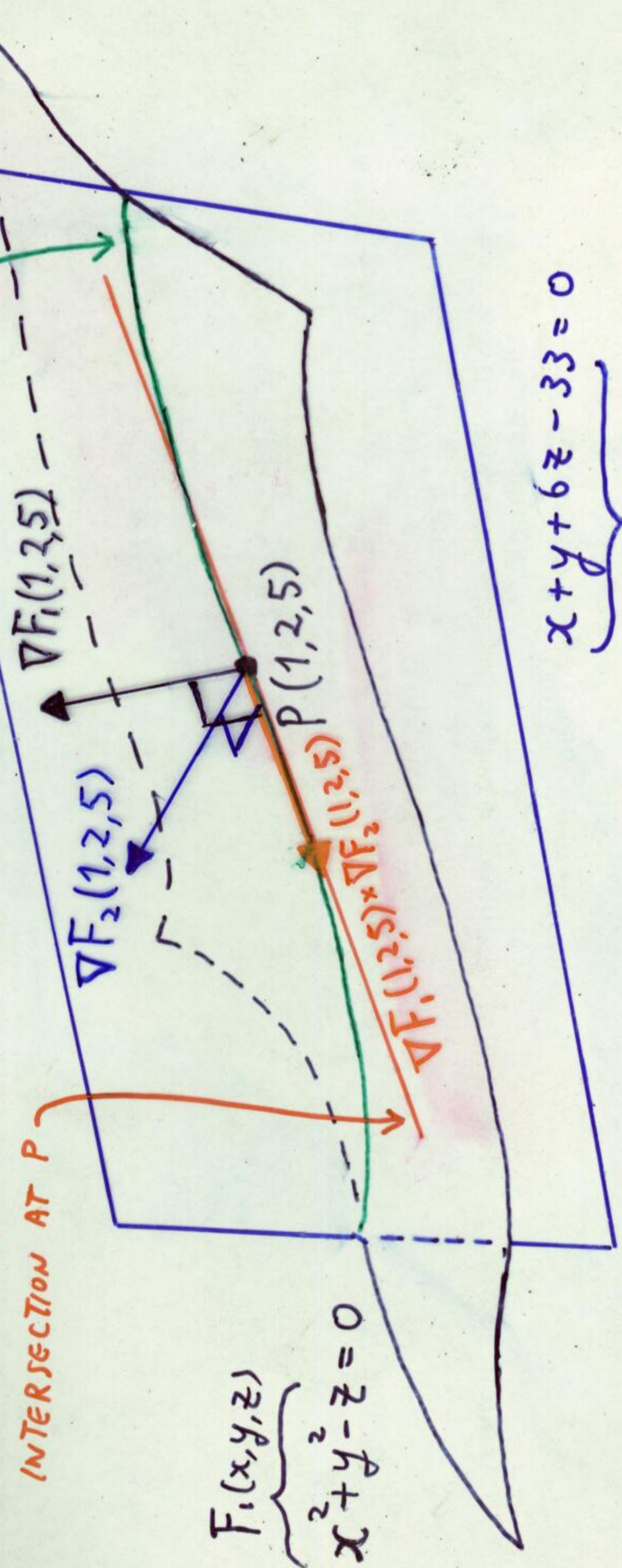


CURVE OF INTERSECTION OF THE TWO SURFACES

TANGENT LINE TO THE CURVE OF INTERSECTION AT P



$$F_1(x, y, z)$$

$$x^2 + y^2 - z = 0$$

$$\nabla F_1(1, 2, 5)$$

$$\nabla F_2(1, 2, 5)$$

$$P(1, 2, 5)$$

$$\nabla F_1(1, 2, 5) \times \nabla F_2(1, 2, 5)$$

$$x + y + 6z - 33 = 0$$

$$F_2(x, y, z)$$