

Exercise 18 (Distances). Find the distance from the point O(0,0,0) to the line x = 5 + 3t, y = 5 + 4t, z = -3 - 5t.

Exercise 19 (Distances). Find the distance from the point S(2,2,3) to the plane 2x + y + 2z = 4.

Exercise 20 (Projections). Find the projection of the line x = 10+2t, y = 13, z = 8-3t onto the plane 6x+5y+4z = 3.