1.1.2.2

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Question:

Find the values of x, y, z so that the vectors $x\hat{i} + 2\hat{j} + z\hat{k}$ and $2\hat{i} + y\hat{j} + \hat{k}$ are equal **Solution:**

Variable	Description
\mathbf{v}_1	$x\hat{i} + 2\hat{j} + z\hat{k}$
\mathbf{v}_2	$2\hat{i} + y\hat{j} + \hat{k}$

TABLE 0: Variables Used

$$x = 2, y = 2, z = 1$$
 (0.2)

The values of x, y, z are 2, 2, 1 respectively.

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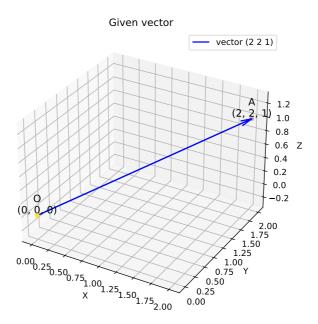


Fig. 0.1: Line segment represent the vector