

Q. 3

properties of peano curves

- (i) The peano curve is a similar object, but one dimension higher. On the one hand, it is a curve, a continuous mapping from the interval $[0, 1]$, on the other hand, it passes through all the points contained in the two-dimensional square $[0, 1] \times [0, 1]$. It is called a space-filling curve.

use of fractals in (CG)

Fractals are very complex pictures generated by a computer from a single formula.

- (ii) They were created using iterations: - Others - for depicting clouds, coastline and borderlines, data compression, diffusion, computer art, landscapes, special effects, etc.