**THEORETICAL AND METHODOLOGICAL FOUNDATIONS OF VISUAL COMPUTING**

**ASSIGNMENT 04**

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**Exercise 4.1:**



[**i, j** and **k** are the unit vectors in the x, y and z directions respectively]

1. A function such that is:

**Exercise 4.2:**

**Exercise 4.3:**

Let each point on the circular line be represented by

**Exercise 4.4:**

Converting *x*,*y* into polar coordinates,