

Spiral of Theodorus

A Pythagorean spiral, also called the 'Spiral of Theodorus' is a spiral formed by right angled triangles, with sides of length 1 forming the outer edge of the spiral. The side of length 1 is the shortest side of each triangle, and the hypotenuse of each triangle forms one of the two shorter sides of the next one in the spiral. The sides of the n th triangle are 1,

$$\sqrt{n}$$

and

$$\sqrt{n+1}$$

