CSE 300 Online 2

1605106

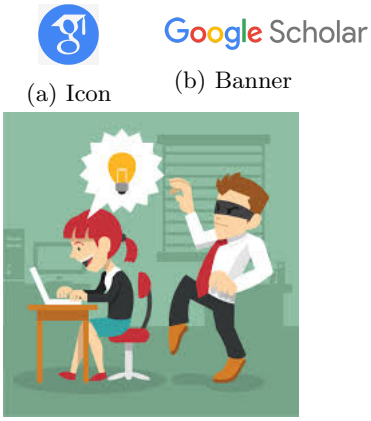
July 25, 2019

List of Figures

Contents

1 Introduction

Google Scholar is a wonderful search engine for finding research articles. It is freely accessible indexes the full literature or metadata of scholarly articles across various formats and disciplines [2].



(a) Icon (b) Banner

(c) Say no to plagiarism

Figure 1: Guidance towards Research

2 Equations

Eulers formula is one of the most important equations in mathematics. It establishes a relationship between trigonometric function and complex exponential function. The equation is as follows

$$e^{i\theta} = \sin\theta + \imath\cos\theta \tag{1}$$

If we put $\theta = \frac{\pi}{2}$ in equation 1, we get the following

$$\begin{aligned} e^{\imath\frac{\pi}{2}} &= \cos\frac{\pi}{2} + \imath\sin\frac{\pi}{2} \\ &= 0 + \imath.1 \\ &= \imath \end{aligned}$$

If we put $\theta = \pi$, we get $e^{i\pi} + 1 = 0$ which is termed as Eulers Identity [1].

2.1 Equations Samples:

$$\binom{n}{r} = \binom{n}{r} = \frac{n!}{r!(n-r)!} \tag{2}$$

References

[1] Wikipedia contributors. Euler's formula — Wikipedia, the free encyclopedia, 2019. [Online; accessed 13-July-2019].

[2] Wikipedia contributors. Google scholar — Wikipedia, the free encyclopedia, 2019. [Online; accessed 10-July-2019].