

All Sciences Proceedings <u>http://as-proceeding.com/</u> AS-ABSTRACTS

https://as-proceeding.com/index.php/as-abstracts ISSN: 2980-1834 All Sciences Abstracts, Volume 1, pp. 10, 1, 2023 Copyright © 2023 AS-ABSTRACTS

© 2023 Published by All Sciences Proceedings

## The Complex Form of "NE" Integral Transform

Ervenila Musta (Xhaferraj)\*

<sup>11</sup>Department of Mathematical Engineering, Polytechnic University of Tirana, Albania

\*(ervimst@yahoo.com)

*Abstract* – In this paper, we present and construct a novel complex transform namely "Complex NE Transform". The propositions of this transformation are investigated. The complex transform is used to convert the core problem to a simple algebraic equation. The definition and application of novel complex transforms to solve ordinary differential equations have been demonstrated.

Keywords – Complex transform, NE complex transform, ordinary differential equations.