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The Complex Form of "NE" Integral Transform

Ervenila Musta (Xhaferraj)*

¹¹Department 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.