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**TRANSFORM TECHNIQUE FOR THE SOLUTION OF FIRST  
ORDER LINEAR AND NON-LINEAR DIFFERENTIAL  
EQUATION**

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**Abstract**

In this paper, the differential transform method for the solution of first order linear and non linear differential equations, we used differential transform method to find the solution and we compared the solution with other alternate method. The method is described and illustrated with examples. Differential transform method may be considered as alternation and efficient for finding the solution of problems.

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Key Words : *Differential transforms method, Taylor series, First order differential equation.*

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