**Paper Title**

Newton's Forward Interpolation: Representation of Numerical Data by a Polynomial Curve

**What?**

a) Interpolation

b) Newton's forward interpolation formula

c) Representation of numerical data by polynomial curve

d) An example of application of the formula

e) Valid conditions

**Why?**

In order to introduce with a new approach (an extended version of N.F.I.) which has been derived from Newton's forward interpolation formula by which we can

a) Reduce the numerical computations associated to the repeated application

b) Compute a large number of interpolated values

c) Represent the numerical data on a pair of variables by a polynomial curve

d) Familiar with real life application of the formula

**How?**

After researching limitation(s) and get rid of these (repeated numerical computations from the given data and computing a large number of interpolated values) think of an approach which consists of the representation of the given numerical data by a suitable polynomial and then compute the value of the dependent variable from the polynomial corresponding to any given value of the independent variable.

**Oncoming Activities**

Any kinds of estimation with a large number of interpolated values we can find out our predicted value (approx.) by this new approach. Among them

**Availability**

https://www.researchgate.net/publication/322797744 Newton%27s Forward Interpolation Representation

of Numerical Data by a Polynomial Curve