**Paper Title**

**Newton’s Forward Interpolation: Representation of Numerical Data by a polynomial curve**

**Where published : Published at Math’s Journal**

**What is represented by this paper:**

1. Newton’s forward interpolation formula
2. Representation of numerical data by polynomial curve
3. Some valid conditions for the formula.
4. An example of an application for this formula.

**Why this paper has been written:**

In order to introduce a new approach that has been derived from Newton's forward interpolation formula that reduced the numerical computations associated with the repeated application. Also data on a pair of variables by a polynomial curve . It also helps to compute a large number of interpolated values.

**How:**

This formula is used when we have to find a missing or known value between a range of values. That is if we have some data like

| **Day** | **Incoming Call** |
| --- | --- |
| **1** | **10** |
| **2** | **7** |
| **4** | **17** |

And we want to find the number of incoming call for day 3 then by this formula can find the value and that will be accurate

**Limitation :**

When the data has a large number of swings it will be difficult to calculate or predict a missing value from the curve and it will not be accurate.