**Paper No: PU-SOE-MAT- 13**

**Q-shift differential polynomial of meromorphic functions sharing 1 value**

**Tejuswini M and Shilpa N**

Department of Mathematics, School of Engineering, Presidency University, Bangalore-560 064, INDIA

**Abstract**

In this article we discuss the unicity question of a category of non-linear differential polynomial of meromorphic function and its q-shift counterpart sharing 1 value. In this process, we employ the concepts of normal families as a tool to procure our results. We generalize and improve the results obtained by X. M. Li, H. X. Yi, Y. Shi.

**Keywords:**

Normal families, Q-Shift differential polynomials, Value distribution, Meromorphic functions,

**Publication Details:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Journal Name** | **Vol.** | **Month & Year**  | **Page No.** | **Publisher** | **Scimago Ranking** |
| Journal of Analysis | 29 | June, 2020  | 47-65 | Springer | NA |