**Harold’s Taylor Series**

**Cheat Sheet**

12 November 2024

|  |  |
| --- | --- |
| **Power Series** |  |
| **Power Series About Zero** Geometric Series if  |  |
| **Power Series** |  |

|  |  |
| --- | --- |
| **Approximation Polynomial** |  |
| https://upload.wikimedia.org/wikipedia/commons/thumb/e/e4/Sintay_SVG.svg/300px-Sintay_SVG.svg.png |  |

|  |  |
| --- | --- |
| **Maclaurin Series** |  |
| **Maclaurin Series** Taylor Series centered about  |  |
| **Maclaurin Series Remainder** | where and  |

|  |  |
| --- | --- |
| **Taylor Series** |  |
| **Taylor Series** Maclaurin Series if  |  |
| **Taylor Series Remainder** | where and  |
| **Key Maclaurin Series** | **Expanded Form** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

See [Harold’s Infinite Series Cheat Sheet](https://www.toomey.org/tutor/calculus.html).