## *Differential Equations*

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|  |  | ***Solution*** |
| Bernoulli’s Equation |  |  |
| Bessel's Equation |  |  |
| Euler - Cauchy Equation |  |  |
| Exact Equation |  |  |
| Homogeneous |  |  |
|  | (where *v = xy*) |
| Legendre’s Eq. |  |  |
| Linear First Order Equation |  |  |
| Linear , Homogeneous Second Order  Equation |  |  |
| Linear , nonhomogeneous Second Order  Equation |  |  |
| Separation of Variables |  |  |