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Applications of Partial Differential Equations

These are used to mathematically formulate and aid the solution of physical and other problems involving functions of several variables for example; propagation of heat and sound, fluid flow, elasticity electrostatics etc.

- Differential equations are involved in study of gravitation, electromagnetism, heat transfer etc.
- It is also important in field of Quantum mechanics.
- It is also important in civil engineering, computer and electrical engineering to mathematically represent a problem and then find a solution for it.

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