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Second-Order Elliptic Partial Differential Equations

3. Linear Elliptic Equations

3.1. Laplace Equation $\Delta w = 0$

3.2. Poisson Equation $\Delta w + \Phi(x) = 0$

3.3. Helmholtz Equation $\Delta w + \lambda w = -\Phi(x)$

The EqWorld website presents extensive information on solutions to various classes of ordinary differential equations, partial differential equations, integral equations, functional equations, and other mathematical equations.

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<http://eqworld.ipmnet.ru/en/solutions/lpde/lpdetoc3.pdf>