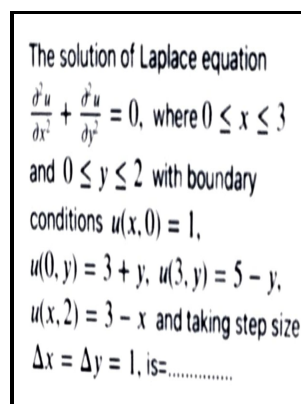


# Solutions of Laplaces equation.

Routledge and K. Paul - Fourier Series Solution of Laplace's Equation



Description: -

- Harmonic functionsSolutions of Laplaces equation.

- Library of mathematicsSolutions of Laplaces equation.

Notes: Bibliographical footnotes.

This edition was published in 1965



Filesize: 6.35 MB

Tags: #1D #Laplace #equation

## Laplace's Equation

There's no signup, and no start or end dates. So the boundary function is a delta function with a spike at that one point, and 0 elsewhere.

### Laplace's equation in a rectangle

And then if it is, we'll find an s. At that point you can go back and make your choices.

### Laplace's equation in a rectangle

And the delta function, that point source, picks out that number at theta equals 0. I could do another function, but I don't think I will. The topic of computer solutions is discussed elsewhere.

### Laplace's equation in a rectangle

And then you'll see the special, special role of  $x+iy$  in 2-D.

## 12.3: Laplace's Equation in Rectangular Coordinates

We've got solutions to Laplace's equation, coming from all the powers.

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