CheggSolutions - Thegdp

Partial Differential Equations

1.

Use the method of characteristics to solve:

2.

$$[x u g + y u_y e / (x - y)]$$
 when $(x + y = 1)$.

3.

$$\label{eq:cosx} $$ (2 x y u + (x^2 + y^2) u_y = 0) given (u = 0) and given (u = \cos x) when (x^2 + y^2 = 1). $$$$

4

5.

$$[xug + yu_y.]$$