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equation go to

characteristic coordinates $\xi = x - ct$ and $\tau = t$. Then the PDE for $N = N(\xi, \tau)$ is $N_\tau = -r$

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\sqrt{N} . Separate variables and integrate to
get $2\sqrt{N} = -r\tau + \Phi(\xi)$.

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Computing multiple solutions of partial
differential equations Patrick E. Farrell¹
S. P. MacLachlan, T. J. Atherton, J. H.
Adler, A. Majumdar, ... ¹University of
Oxford December 10, 2019 P. E. Farrell
(Oxford) De ated continuation December
10, 2019 1/26

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3.1 Partial Differential Equations in
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87 3.4 D'Alembert's Method 104 3.5 The
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Partial differential equation - Wikipedia

algorithms to solve stochastic partial
differential equations Ekesh Kumar¹,
Bryan Gorman², Jeffrey Brown³

^{1,3}Research mentee, Johns Hopkins
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