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The Solution of Boundary Layer Problems using Kruskal-Newton diagrams[1] ROSCOE WHITE, Princeton University, THOMAS FISCHALECK, Institute fur Theoretische Physik, Magdeburg — The use of Kruskal-Newton diagrams for the solution of differential equations is illustrated with examples from the physics of pattern formation and plasma physics. The scaling of boundary layers is rapidly determined, and a systematic means of simplifying the internal layer equations is obtained.

[1]Supported bu US DoE

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