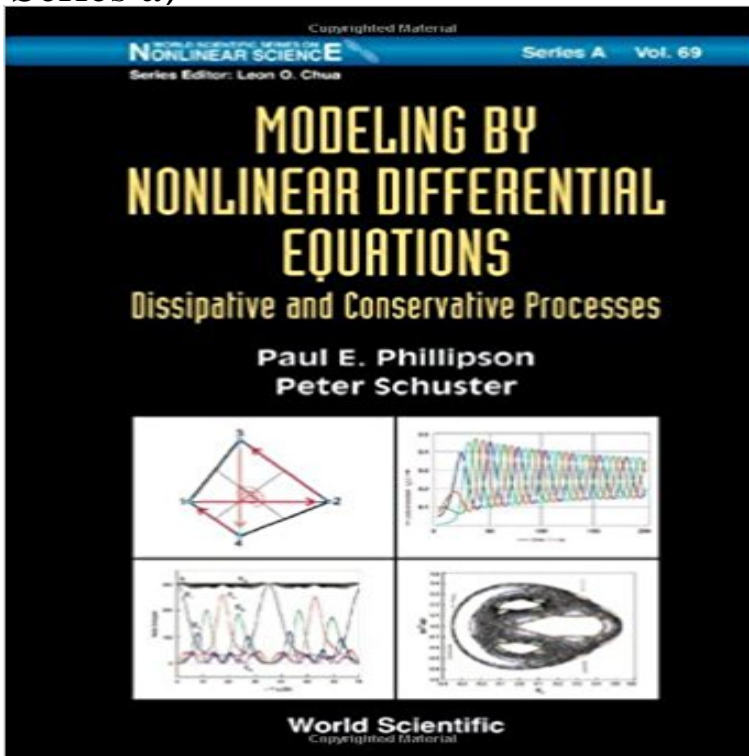


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Science 292(5526), 24412443. Phillipson, P.E. & Schuster, P. (2009), Modeling by Nonlinear Differential Equations.
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