

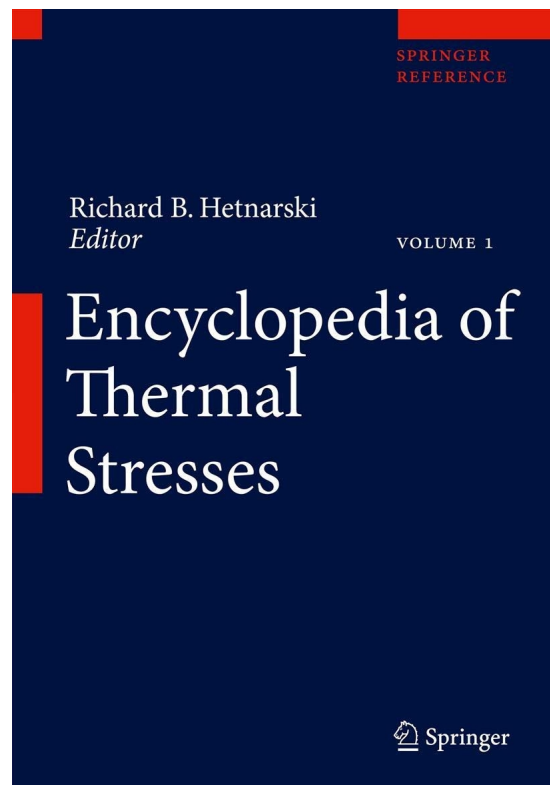
Soliton-Like Thermoelastic Waves

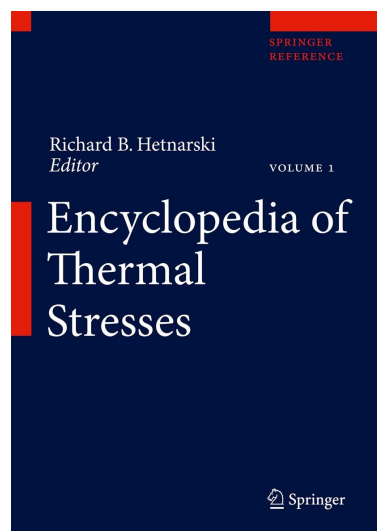
Strunin D. and Melnik R.

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This is an encyclopedic entry on “Soliton-Like Thermoelastic Waves”. Solitary waves, or briefly solitons, are remarkable phenomena occurring in many physical, biological, and mechanical systems. Thermoelasticity represents a group of such systems, in which the solitons can be formed under certain conditions. The authors provide a review of some general mathematical models capable of producing this type of waves, and then describe thermoelastic solitons in detail from theoretical and applied points of view.





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R.B. Hetnarski, Rochester Institute of Technology, Rochester, USA (Ed.)

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