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Studies of finite element procedures—Stress solution of a closed elastic strain path with stretching and shearing using the updated Lagrangian Jaumann formulation Author links open overlay panel Miloš Kojić † Klaus-Jürgen Bathe ‡

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computer program. However, to indicate how the exercises in which a finite element program is to be used might be solved, we also include the solutions to three such exercises. For these studies, the computer programs ADINA (for structural analysis) and ADINA CFD (for fluid flow analysis) have been used. These finite element programs are part of the ADINA System, see www.adina.com.

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M. Kojic and K.J. Bathe, "Studies of Finite Element Procedures Stress Solution of a Closed Elastic Strain Path with Stretching and Shearing using the Updated Lagrangian Jaumann Formulation", Computers & Structures, 26 (1/2), 175-179, 1987

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Major contributions. Bathe has made fundamental contributions in the finite element analysis of structures, heat transfer, field problems, CFD, and fluid-structure interactions. These contributions are widely used in commercial software codes.