# Wippchens Sammtliche Berichte (4 )

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 208 pages. Original publisher: Cincinnati, OH : General Electric Co. , Aircraft Engine Business Group, 1984 OCLC Number: (OCoLC)703593465 Excerpt: . . . c. No time interpolations between thermal solutions. d. No provision for scaling the thermal results based on variations in thermal boundary conditions. 5. 2 MERLIN EVALUATION The Sandia code ( MERLIN ) is very similar to the in-house GE program called TITAN. Investigation into MERLIN revealed the following limitations: a. Restricted to 2D problems. b. Interfaces only with finite element heat transfer codes. c. Does not interface with finite difference heat transfer codes. d. Only interfaces into a specific set of finite element stress codes. e. Meshes ( both heat transfer and stress ) must be generated using a specific mesh generator. f. Does not allow for coordinate transformation of meshes. g. Does not account for stress points slightly outside heat transfer mesh. h. Limits the number of elements in the heat transfer model. i. Limits the number of nodes in stress model. Uses the same temperature mapping function regardless of the type of j. heat transfer element. The interfacing technique used in MERLIN is...

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