Record of Telephone Call

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WM Record File WM-RES B6985 CorStar

File P 6 6 7 8 0 0

WM Project 10, 11, 16
Docket No.
Date February 3, 1986
PDR ✓
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'86 FEB 10 P2:56

Distribution: P Brooks

(Return to WM, 623 SS)

PROJECT Teknekron

SUBJECT ADINA Codes

CALL (TO) (FROM) Professor Bathe - MIT (Company) TELEPHONE NO. 617-253-6645

DISCUSSION BETWEEN Professor Bathe (Of Company) AND Bill Lamb & Bill Swanson (Of Acres)

p. 1 of 2

Details of Call

We called Professor Bathe and discussed in general details the work we were doing for NRC and the way in which we were benchmarking the various codes including ADINA and ADINAT. We discussed the various problems we had checked and explained the difficulties we were experiencing with the small core memory available at the Brookhaven machine. When we said there was only 20,000 available, he was somewhat surprised. He felt that 200,000 should be available for this program and there would be serious limitations in running the ADINA codes with such a small core memory. We outlined the problems we were experiencing at the interface between plastic and elastic stresses in Problem 3.2. He could not offer a solution but suggested we try 1% strain hardening to see if this would correct the problem. There was some discussion regarding development of the mesh and the time step. interval used for the various problems.

Professor Bathe was concerned that these must be compatible and that decreasing the time step for example could leave to completely erroneous results. We agreed to send him examples of our mesh and time step interval for typical purposes.

In response to my question, Prof. Bathe said there was no need to formalize the extension of the agreement between

Action Required

Copies To (1) Pauline Brooks
(2) Doug Vogt
(3)
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FORM AIC-361 6/85

Record of Telephone Call

ACRES

File P 6 6 7 8 0 0

Date February 3, 1986

PROJECT Teknekron

SUBJECT ADINA codes

CALL (TO) (FROM) Professor Bathe (Company) TELEPHONE NO. 617-253-6645

DISCUSSION BETWEEN Prof. Bathe (Of Company) AND Bill Lamb and Bill Swanson (Of Acres)

Details of Call

NRC and ADINA Engineering to use the codes. We verbally agreed that a 6-month extension would be fine.

DWL.

Action Required

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