Impact of CDC STAR-100 computer on finite element systems.

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Impact of CDC STAR-100 Computer on Finite Eleme

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Abstract:

A study is made of the impact of the projected major hardware and software features of the CDC STAR-100 d
components of finite element structural analysis systems. The major features considered include virtual men
capability. The effective utilization of the STAR capabilities in finite element systems requires: (1) The consiste
the finite element system; and (2) the design of the different modules and processors to exploit the STAR pip
with two examples showing the anticipated gain in speed over the CDC 6600 to be obtained by using the STA
computation of element stiffness matrices and solution of banded symetric equations. In both cases order of

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