

NX Nastran

In NX Nastran it is possible to alter a simulation while it's already running. There are a number of parameters to alter a non-linear simulation. This can be done by creating a text file in the folder of the simulation called: Tmpadvnlin.txt

In the text file it is possible to use one of the following parameters:

MAXITE=50	changes the maximum iterations per step to 50
STOP=1	aborts the simulation and the results become available
DTOL=1E-4	displacement convergence tolerance
ETOL=1E-4	energy convergence tolerance
RCTOL=1E-4	contact force convergence tolerance
RTOL=1E-4	force convergence tolerance
STOL=1E-4	line search convergence tolerance
RCONSM=1E-4	reference contact force
RNORM=1E-4	reference force
RMNORM=1E-4	reference moment
DNORM=1E-4	reference translation
DMNORM=1E-4	reference rotation

The text file with the name Tmpadvnlin.txt should be renamed to Tmpadvnlin.rto to become active.