Example: nonlinear heat conduction in 10

$$\begin{cases}
N(d) = \int_{ext}^{ext} \\
where \\
N(d) = \int_{ext}^{ext} \int_$$

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In the evaluation of
$$u^k$$
,
$$d^e_a = \begin{cases} d\rho & P = LM(a,e) \neq 0 \\ Mg(X_A) & P = LM(a,e) = 0 \end{cases}$$

$$A = IEN(a,e)$$

 \Rightarrow the (M) problem is $DN(d^{(i)}) Ad = F - N(d^{(i)})$ \Rightarrow consists solely of the unknown dofs.

the Dirichlet dofs enter as a homogeneous essential BC. for the incremental Ad.

Remark 1: DN = K is non-symmetric in this case.

Solver technology.

Remark 2: In certain cases, the external
force depends on wh (e.g. traction prescribed on the deformed configuration), One will have to perform linearization for f-ext (d) as well.