VHETVAL

User subroutine VHETVAL:

- can be used to define a heat flux due to internal heat generation in a material (for example, as might be associated with phase changes occurring during the solution);
- will be called for blocks of material calculation points for which the material definition contains internal heat generation;
- can be useful if it is necessary to include a kinetic theory for a phase change associated with latent heat release (for example, in the prediction of crystallization in a polymer casting process);
- can use and update solution-dependent state variables as an alternative to user subroutine VUMATHT without a requirement to completely define material thermal behavior;
- can use any field variables that are passed in; and
- can be used with thermally coupled continuum elements and Eulerian elements.

This page discusses:

Products: Abaqus/Explicit

See Also

In Other Guides

Fully Coupled Thermal-Stress Analysis

*HEAT GENERATION

VHETVAL

User Subroutine Interface

```
subroutine vhetval (
```