

MOOSE

RELAP-7

$$\frac{\partial \bar{x}}{\partial t} = \bar{F}(\bar{x}, \bar{v}_{t_{i-1}}, t)$$
$$\bar{C} = \bar{G}(\bar{x}, t)$$

\bar{C}_i

\bar{v}_{t_i}

RAVEN (RELAP-7 Interface)

\bar{C}_i

\bar{v}_{t_i}

RAVEN (Control Logic)

$$\frac{\partial \bar{v}}{\partial t} = \bar{V}(\bar{C}, \bar{v}_{t_{i-1}}, t)$$