



LEAD POOL

INPUTS

MODEL

RAW OUTPUT

PROCESSED OUTPUT

- POOL DESIGN
- PIPES GEOMETRY

Thermohydraulics

- Pressure
- Velocity (u) - 1D
- Temperature

- Geometry/size pool
- Thermal power
- Thermocline
- Heat exchanger inlet mass and Temperature**

continuum

HEAT EXCHANGER

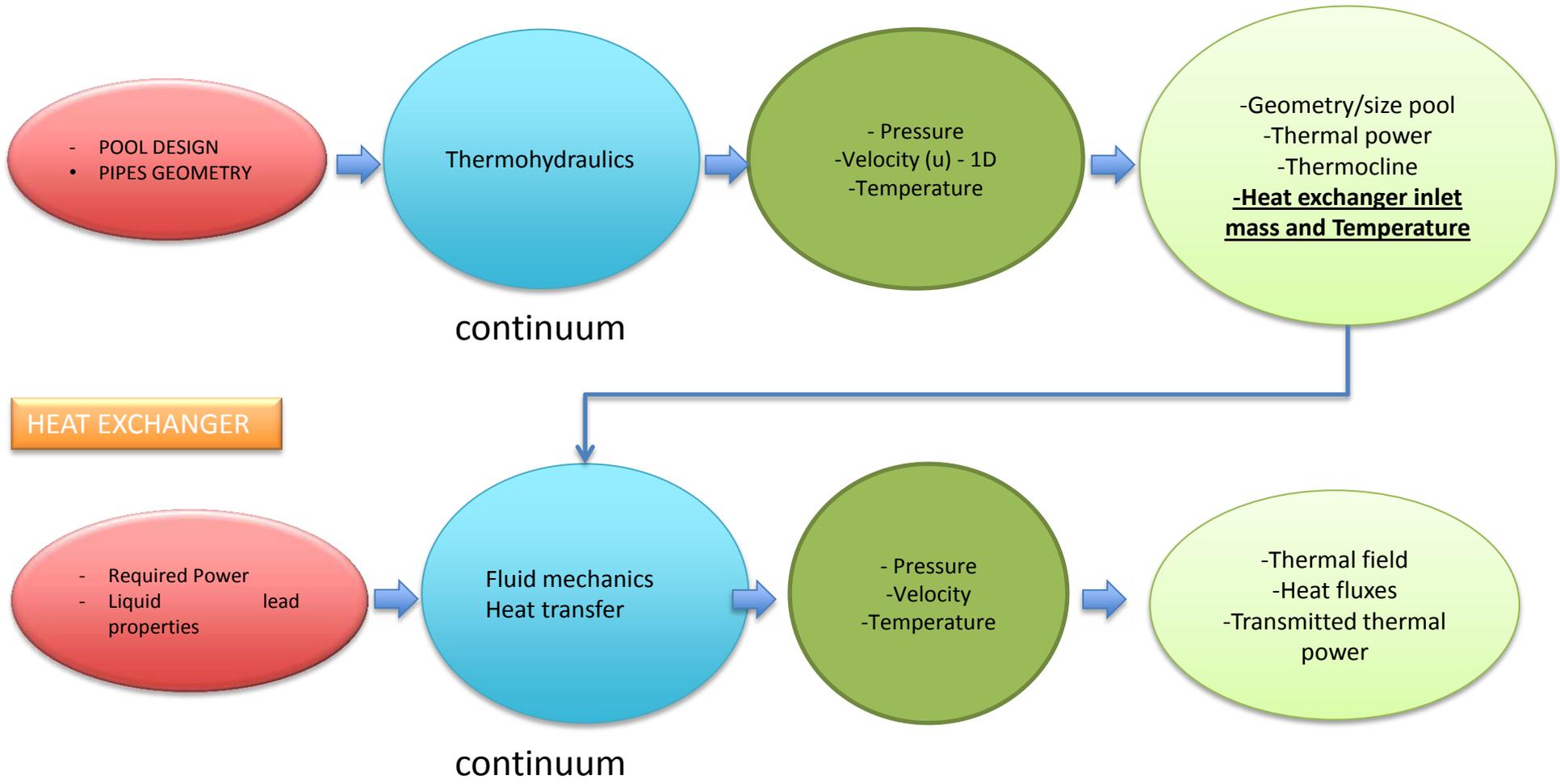
- Required Power
 - Liquid properties
- lead

Fluid mechanics
Heat transfer

- Pressure
- Velocity
- Temperature

- Thermal field
- Heat fluxes
- Transmitted thermal power

continuum

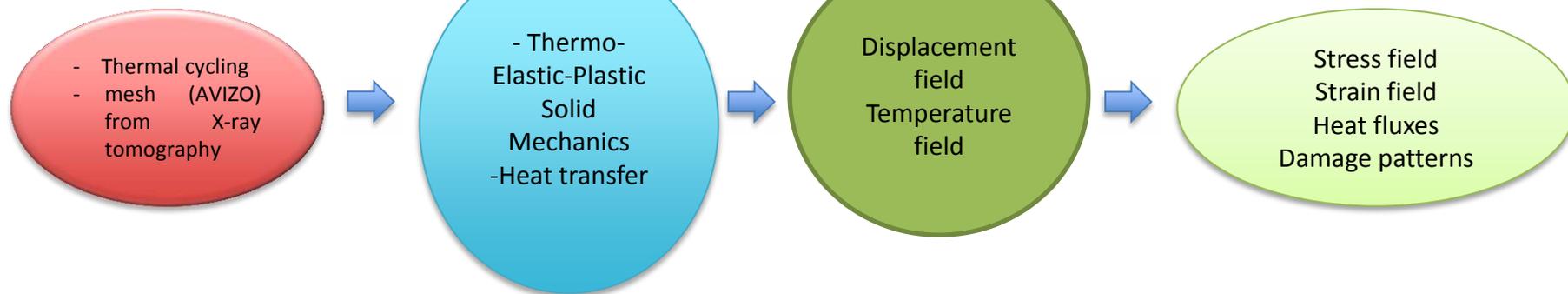


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Continuum modeling:

