

AIM 3D Electronics Box - Physics Setup

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[Problem Specification](#)

[1. Pre-Analysis & Start-Up](#)

[2. Geometry](#)

[3. Mesh](#)

[4. Physics Setup](#)

[5. Numerical Results](#)

Physics Setup

The video below demonstrates how to specify the materials and boundary conditions for the electronics box simulation.

Summary of above video:

- Create a thermal physics region of material copper for the chips and CPU.
- Add an inlet with velocity 57.609 in/s.
- Add an outlet with pressure 0 Pa.
- Add a solid heat generation term to the chips and CPU.
- Add an insulated boundary to the bottom of the chips and CPU.
- Add a wall.
- Change convergence criteria to 1e-3.
 - This enables the solution to converge quickly and is sufficient for our tutorial. AIM uses a smaller default value to increase accuracy.

[Go to Step 5: Numerical Results](#)

[Go to all ANSYS AIM Learning Modules](#)