

Student's Zone 2018 of the NICA Project



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Simulation of the heat transfer in the RACK cabinets

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Heat transfer is an very important issue when we are considering electronic circuits, especially in the case of great physical experiments, in which a large number of electronic devices are necessary for the proper functioning of the system, where each of them emits a certain amount of heat.

My task was to perform a heat flow simulation in RACK cabinets in order to predict whether the designed cooling system will be sufficient and to check what maximum temperatures can be achieved when using specific electronic devices.

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