## **Thermal Gradients**



Shell model for thermal gradients in Silicon Si conductance = 1.5W/cm°C

Note!! Al conductance = 2.14W/cm°C





## Discoveries

The drop in temperature with distance appears to be due to the heat being spread out evenly over a larger area of silicon.



an Opamp.

Self Heating % = (300ppm)(2.3°C) = 0.07% Cross Heating % = (300ppm)(.03°C) = 0.001%

.025°C