

HEAT PIPES AND THE PELTIER EFFEGT

YUVAL, SHACHAR AND NEOMI

THE PROBLEM

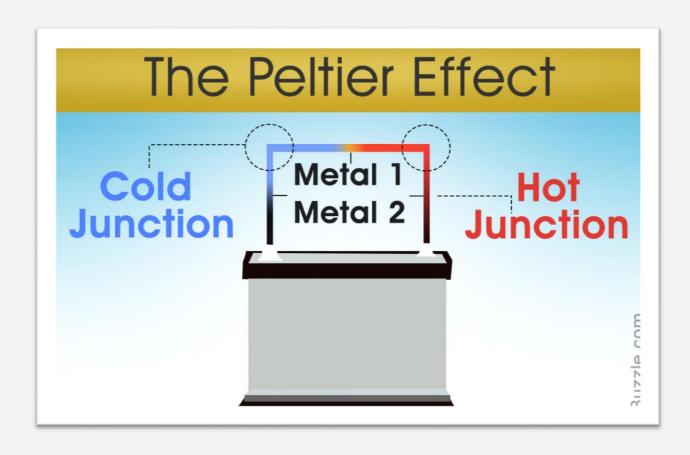
- high frequency
- high voltage
- heat is created
- the efficiency is reduced
- The heat also damages the electronics.



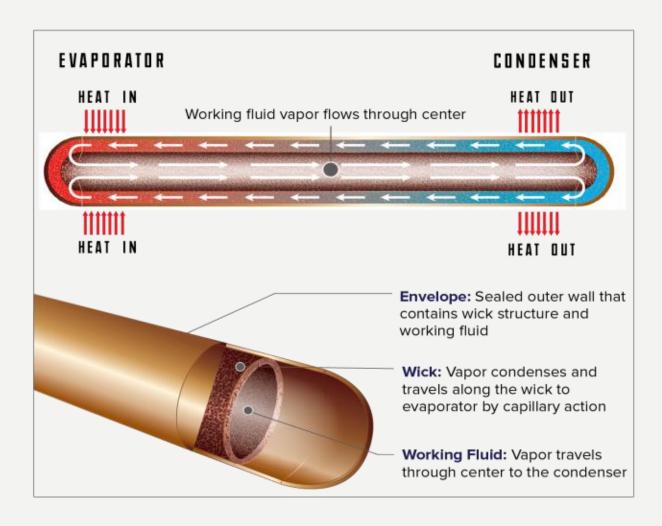
UNCONVENTIONAL COOLING METHODS

- Heat Pipe
- Peltier Effect

THE PELTIER EFFECT



HEAT PIPES



APPLICATION



- Flexible Heat Pipes
- Local Cooling
- Cooling using the liquid helium from the LHC

THE NEXT STEP...



THANK YOU FOR LISTENING