

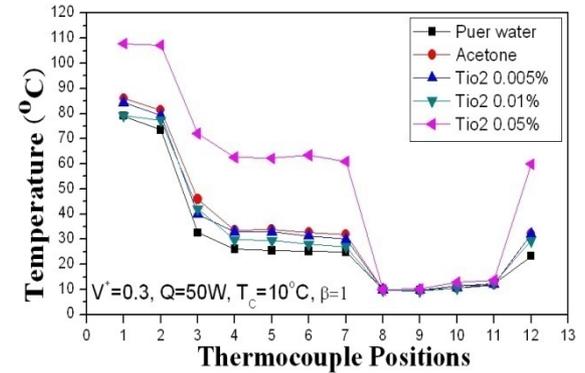
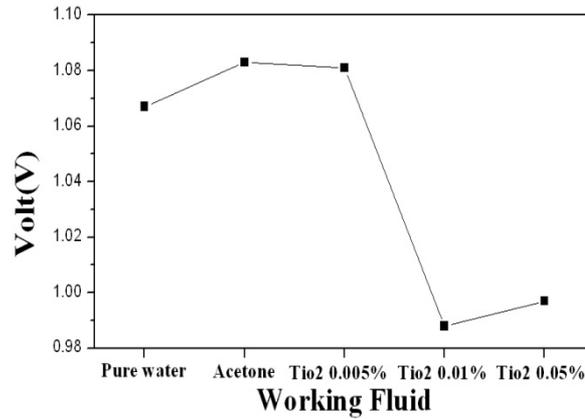
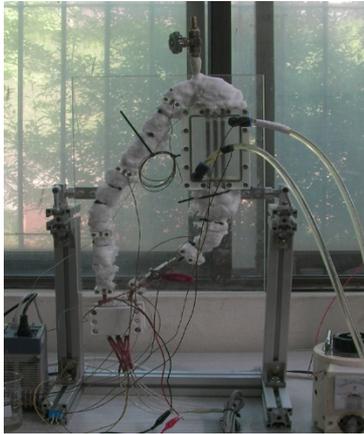
Thermoelectric Power Generation System with Loop Thermosyphon in Future High Efficiency Hybrid Vehicles

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Object

- Development of Novel Simple Design of Exhaust Heat Recovery System with Heat Pipe
- Transfer exhaust heat to another place with Loop thermosyphon
- Preliminary experimental results to find the possibility to be applied to future hybrid vehicles
- Optimum Design of Thermoelectric Power Generation System for Future Hybrid Vehicles with heat pipes

Fundamental experiment

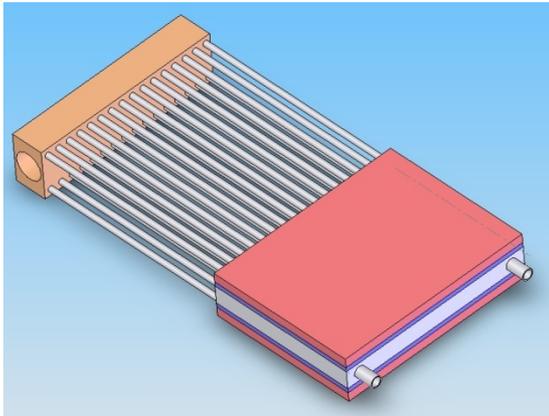


Experimental equipment

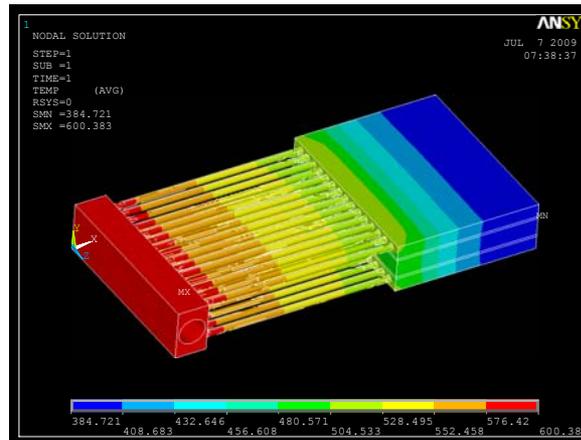
A output voltage

A range of temperature

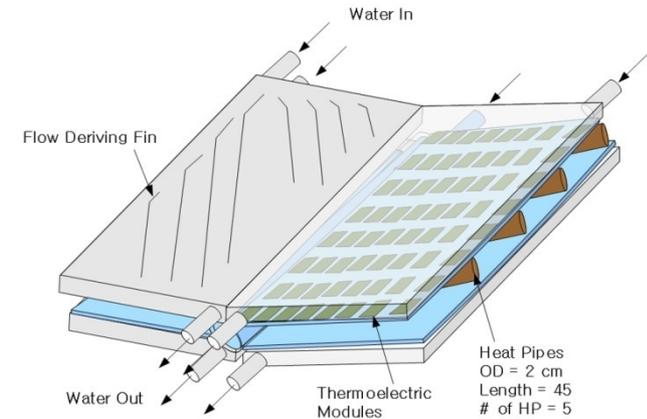
A drawing of Thermoelectric Power Generation System



Modeling with 3D CAD



pre-process with FEA



A drawing of TEG system

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