

Group D1
Solar Power Rangers

Related Technical Information

Other existing or potential solutions:

Thermoelectric

- <http://www.tellurex.com/cthermo.html>

Thermoacoustic

- Backhaus S, Swift GW. *A thermoacoustic Stirling heat engine*. Nature (1999) **399**: 335-338.
- <http://www.kettering.edu/~drussell/Publications/ThermoDemo.pdf>

Thermomechanical

- (see Stirling Engine Technology)

Solar radiation focusing technology:

- Odeh SD, et. al. *Thermal analysis of parabolic trough solar collectors for electric power generation*. School of Mechanical and Manufacturing Engineering, University of New South Wales.
- Kennedy CE, Price H. *Progress in development of high-temperature solar-selective coating*. Proceedings of ISEC2005 2005 International Solar Energy Conference August 6-12, 2005, Orlando, Florida USA.
- Pitz-Paal R, et al. *Development steps for parabolic trough solar power technologies with maximum impact on cost reduction*. Journal of Solar Energy Engineering (2007) **129**: 371-377.

Stirling Engine Technology:

Operation:

- www.keveney.com/Stirling.html
- travel.howstuffworks.com/stirling-engine.htm

Analysis:

- www.ent.ohiou.edu/~urieli/stirling/me422.html
- physics.bu.edu/~duffy/semester1/c28_heating_stirling.html

Integration with solar power:

- www.stirlingenergy.com/whatisastirlingengine.htm