

Abstract Submitted  
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**Construction of an inexpensive heat pipe oven.** TIMOTHY GROVE, MARK MASTERS, Indiana University - Purdue University Fort Wayne — We present a new, low cost method of building an all copper heat-pipe oven. Copper heat pipe ovens have several advantages over more traditional stainless steel ovens. They heat up/cool down more rapidly (particularly useful in advanced undergraduate teaching laboratories), ideal for experiments involving magnetic fields, and less expensive. For our design, the most of the construction parts are available at local hardware and plumbing supply stores, and the assembly requires no machining.

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