Experimental and modeling analysis of a ground source heat pump system

Thermal energy storage in general, and phase change materials (PCMs) in particular, have been a main topic in research for the last 20 years, but although the information is quantitatively enormous, it is also spread widely in the literature, and difficult to find.

Solar DIY Space Heating Projects - Build-It-Solar

Experimental and modeling analysis of a ground source heat pump system

Plans for a wide variety of solar space heating projects you can build. Solar space heating can be 25 or more times more cost effective than solar electric (PV) systems, and the systems are excellent DIY projects.

Fire Research Division | NIST

Experimental and modeling analysis of a ground source heat pump system

The Fire Research Division develops, verifies, and utilizes measurements and predictive methods to quantify the behavior of fire and means to reduce the impact of fire on people, property, and the environment. This work involves integration of laboratory measurements, verified methods of prediction...

Suggested topics for new research proposals

Experimental and modeling analysis of a ground source heat pump system

In order to ensure that the research work carried out under JRP scheme is meaningful and...

Hydrogeology - Wikipedia

Introduction. Hydrogeology is an interdisciplinary subject; it can be difficult to account fully for the chemical, physical, biological and even legal interactions between soil, water, nature and society. The study of the interaction between groundwater movement and geology can be quite complex.
Water purification is the process of removing undesirable chemicals, biological contaminants, suspended solids, and gases from water. The goal is to produce water fit for specific purposes. Most water is purified and disinfected for human consumption (drinking water), but water purification may also be carried out for a variety of other purposes, including medical, pharmacological, chemical...