Date: Sat, 15 Jan 2005 16:29:19 -0800

From: Fabian Pease <pease@cis.stanford.edu>

X-Accept-Language: en-us, en

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Subject: Re: Quals Questions 2005

## Pease's question(s):

- 1. Define 1 volt
- 2. How do you measure voltage (several ways are possible)?
- 3. Have you ever heard of a Kelvin Generator? (no one had)
- 4. Here is one. When the water flows a voltage is generated. How does it work?
- 5. Try using this multimeter to measure the voltage (get a transient indication of voltage, then nothing). Why doesn't the meter work?
- 6. Devise a voltmeter with infinite (>1e14 ohms) resistance.