

Measurement of quantum efficiency of thin film solar cells (praca w jęz. angielskim)

1. Introduction

2. Solar cells

- 2.1. Basis of solar radiation**
- 2.2. Phenomena in semiconductor**
- 2.3. Photovoltaic effect**
- 2.4. Basic structures of solar cells**
- 2.5. Main properties**
- 2.6. Advantages of thin film solar cells**

3. Measurements

3.1. Measurement methods

3.1.1. Measurement of the quantum efficiency

3.1.2. Measurement of the I-V curves

3.2. Tools

3.2.1. The source measure unit (Keithley)

3.2.2. The monochromator (Bentham)

3.2.3. The lock-in amplifier (EG&G)

4. Results of measurements

4.1. Quantum efficiency

4.2. I-V Curves

5. Summary and conclusions

6. References