

Blood Flow

Week – November 30, 2006 to December 7, 2006

Team Members : Jonathan Baran – Team Leader
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Problem Statement

Current instruments used in the measurement of pulse transit time are inefficient for home use. An existing product with working ECG and pulse wave circuits along with software to analyze the data has been provided. The primary goal will be to optimize the existing setup for use at home. This will be performed by miniaturizing the circuit, reducing the signal to noise ratio, and improving of the already existing software. These tasks will attempt to be rectified by numerous design additions.

Last Week's Goals

- Test two ECG circuits
- Build finalized ECG circuit
- Continue to program for skipped beat

Accomplishments

- Tested new ECG circuit
- Tested data logger performance
- Created final poster

This Week's Goals

- Work to finalize final paper

Difficulties

- Understanding everything which has previously been done

Activities/Accomplishments

Group Member	Weekly Accomplishments	Time (hrs)	Running Total (hrs)
Jonathan Baran	Building circuit, Testing circuit, Working on poster	18	98
Mark Yarmarkovich	Programming new software	5	47
Karen Chen	Working on poster, testing circuit	10	68
William Stanford	Working on poster, testing circuit	10	55