

# Gunn Diode Oscillator Minutes

David Headland

2004-06-03 09:00

## Attendance

- Fourth year students:
  - JM Higginbotham.
  - R Wan.
  - DP Headland.
  - MP Gaskill.
  - AJ Nelms.
  - RE Irwin.

## Approvals

- The minutes from the last meeting were approved.

## Demonstration

- A tasks list was distributed.
- A required props list was distributed.
- People were assigned to sections on each list.
- The presentation will run in chronological order.

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- A short video will be available as a last resort backup.
  - Boards will be requisitioned from the microwave labs.
  - Arrangements for borrowing equipment should be made on Monday.

## Epilogue

- Some sections have been started by some people.
- The deadline for all sections is 12:00 Friday 4 June 2004.

## Power supply

- The power supply is completed.
- Control is via precision potentiometers.
- The PSU is in use in the testing lab.

## Simulation

- All simulations are now complete.
- The following simulations have recently finished:
  - Backshort simulations.
  - Cavity with exact measured components.
- Analysis is starting today.

## Poster

- The poster is nearly complete.
- Currently, pictures are required and will be supplied ASAP.
- Organisation has started for printing.

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## Proposed actions

JM Higginbotham Create a CD for the appendix containing HFSS data.

All Think of potential questions and answers for the demo.

## Next meeting

Formal meetings have now finished due to the proximity of the close of the project and the number of tasks remaining. The group will meet in the D floor coffee room on Monday 7 June 2004 at 09:00 to do final checking on the epilogue and start detailed preparations from the impending demonstration.