Goals for Exam 6: ECE 656 Weeks 15-16, Monday, December 9, 2013
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The exam will be conducted during Finals Week, on Monday, Dec. 9 from 1-3PM in EE-117 and will consist of three questions in the same format as Exams 1-5. You should bring a calculator. A sheet of key equations will be provided.

This exam will test your understanding and ability to work with three concepts/topics:

1) An understanding of high-field transport in bulk semiconductors, of non-local transport in the presents of electric fields that varies rapidly in time or space, and an understanding of ballistic and quasi-ballistic transport in a device context.

2) An ability to solve problems using simplified balance equations.

3) An ability to solve basic device problems using the ballistic Boltzmann Transport Equation.