

# **SPECIAL**

## **CHEMICAL PHYSICS SEMINAR**

### **“Reciprocal relations for coupled transport far from equilibrium”**

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#### **Abstract**

Reciprocal relations valid arbitrarily far from equilibrium are derived for transport between two pairs of reservoirs energetically coupled at mesoscopic contact points. In the derivation attention is focused on the average number of particles transported between the reservoirs during each excursion of the contact point away from, and regression back to, a steady state. All quantities involved are experimentally accessible in the full counting statistics of the transport processes.

**Friday, May 23, 2008  
10:00 a.m. Room 207  
Engineering and Physics Building**

**Texas A&M University  
Department of Physics  
Institute for Quantum Studies**

Coffee and donuts to be served 9:45 a.m.

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\*faculty candidate