

The Sowers Theoretical Physics Seminar series presents:

*Dr. Anirban Basu*

*(IAS, Princeton)*

*Higher Derivative Corrections in  
Type II String Theory on  $T^2$*

**Abstract:**

I propose manifestly U-duality invariant modular forms for the D4R4 and D6R4 interactions in type II string theory compactified on  $T^2$ . These receive only a finite number of perturbative contributions, as well as non-perturbative contributions coming from D-instantons and (p,q) string instantons.

**Monday, January 14, 2008**

**2:30 P.M.**

**304 Robeson Hall**

