

# Physics Department Seminar

Friday May 14, 2010

11:00am in PhSc 108

## “The Twin ‘Paradox’ from the Traveling Twin Perspective”

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### Abstract:

The situation known as the “twin ‘paradox’” is often used to illustrate the implications of special relativity. The argument is typically made from the perspective of the earth (non-accelerating) twin. However, since the asymmetry in the physical situations of the twins leads to their difference in aging times, an analysis of the journeys from the traveling twin perspective would be valuable. We will consider a family of ‘turn-around’ behaviors for the traveling twin, with the instantaneous turn-around as a limiting case.

