

A Matter of Time
CL 65/Math 5
Winter 2005

Friday Discussion #5

The material below comes from the Connecting Across Borders sections of the textbook, *A Matter of Time*, by Lahr and Pastor.

From section 8.3:

1. How do you think that Freud's discovery of the workings of time in the human mind compares with Newton's characterization of mathematical time as flowing equably?
2. How do you think that Einstein's discovery of time dilation and length contraction challenge or complement Newton's characterization of mathematical time as flowing equably?
3. What parallels or connections can you draw between Freud's and Einstein's discussions of time? Is time for them relative in the same way?
4. Do Freud's findings about time and the human mind imply that Newton was wrong and that time does not flow anymore? What about the implications of Einstein's findings?
5. How do you think that recent discoveries in chronobiology intersect with Freud's findings about human time?
6. Discuss the relationship between Einstein's twin experiment and chronobiology.