

BI-CO MATHEMATICS
COLLOQUIUM

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"Anomalies in Gauge Theories"

Monday, November 5, 2007
Talk at 4:15 – Park 328
Tea at 3:45 – Park 355, Math Lounge

Abstract:

Conservation laws are building blocks for physical theories. Using Electromagnetism as an example, I'll review what a gauge theory is and how it leads to a conserved charge. I'll also discuss anomalies, which are violations of conservation laws due to quantum effects, and some of their physical consequences.

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