

The Dartmouth College Mathematics Department presents the Lahr Public Lecture

Queer in Math and Queering Math Emily Riehl – Johns Hopkins University



$$\begin{array}{ccc}
 \Delta^{2,1} & \xleftarrow{\delta^2} & \Delta^1 \\
 \delta^0 \uparrow & \lrcorner & \uparrow \delta^0 \\
 \Delta^1 & \xleftarrow{\delta^1} & \Delta^0
 \end{array}$$

Abstract: Queer theory challenges essentialist or normative conceptions of identity, often using personal stories to show the limits of conventional categories. In this talk, I will share my journey as a queer mathematician, tracing the formation of a pair of identities that were more often developed in parallel rather than fully integrated. I will also describe a recent "queering" of the concept of "identity" in mathematics, which enables a more expansive notion of mathematical equality than appears in traditional mathematical foundations.

$$\begin{array}{ccccc}
 & & A & \xrightarrow{\quad} & B \\
 & \nearrow \lim d & \downarrow \Delta & & \downarrow \Delta \\
 1 & \xrightarrow{d} & A^J & \xrightarrow{u^J} & B^J
 \end{array}$$

Friday, February 7, 2025
29 N Main St
Kemeny 008 – 6:00 pm

