

Department of Mathematics

Fall 2015 Colloquium Series



$$0 \longrightarrow \mathbb{K} \xrightarrow{\iota} \mathfrak{g} \oplus \mathbb{K} \xrightarrow{\pi} \mathfrak{g} \longrightarrow 0$$

$$\begin{aligned} [e_j, e_k] &= (k - j)e_{j+k} + \frac{c}{3}j(j^2 - 4)\delta_{0,j+k}; \\ [e_j, c] &= 0; \\ e_j^{[p]} &= e_0\delta_{0,j}; \\ c^{[p]} &= 0. \end{aligned}$$

Algebra és Számelmélet Tanszék
DEPARTMENT OF ALGEBRA AND NUMBER THEORY

Restricted Central Extensions of Modular Witt Algebras

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HSU Mathematics Department

Thursday, October 29, 2015

Behavioral and Social Sciences Building Room 166, 4 p.m.

We will survey the connection between restricted one-dimensional central extensions of the restricted Witt algebra W and the restricted Lie algebra cohomology group $H_*^2(W)$. The talk is accessible to anyone with an interest in mathematics, and in particular, no technical background information is assumed. The purpose of the talk is to discuss the ideas involved in the speaker's recent research.

Dr. Evans holds a Ph.D. in Mathematics from the University of California at Davis, an MS in Mathematics from the University of Oregon and a BA (Mathematics) from Sonoma State University.

For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

**We invite you to the Pre-colloquium Tea on the third floor of the BSS
building at 3:30 on Thursday.**