九大代数学セミナー

※「通常と日時・場所が異なります

日時 2023 年 7 月 25 日 (火) 15:00-16:30

場所 九州大学伊都キャンパス オーディトリアム（ウエスト 1 号館 D 棟 4 階 D413）,
　　 および Zoom ミーティングによるオンライン開催

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講演者: Ken Ono 氏 (University of Virginia)

題目　**Can't you feel the moonshine?**

概要 Richard Borcherds won the Fields medal in 1998 for his proof of the Monstrous Moonshine Conjecture. Loosely speaking, the conjecture asserts that the representation theory of the Monster, the largest sporadic finite simple group, is dictated by the coefficients of certain distinguished modular functions. This conjecture arose from astonishing coincidences noticed by finite group theorists and arithmetic geometers in the 1970s. Recently, mathematical physicists have revisited moonshine, and they discovered evidence of undiscovered moonshine which some believe have applications to string theory and 3d quantum gravity. The speaker and his collaborators have been developing the mathematical facets of this theory, and have proved the Umbral moonshine Conjecture.

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