

Introduction to Vertex Operator Algebras

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Abstract

These talks, which are introductory in nature, are aimed at researchers who wish to acquire some familiarity with vertex algebras. Topics include: quantum fields and vertex operator algebras; representation theory; modular-invariance.

Some online references:

- Heidelberg lectures.
http://www.cft2011.mathi.uni-heidelberg.de/index7d43.html?option=com_content&view=article&id=46&Itemid=53
(Introductory lectures on VOAs and the Monster by Mason.)
- June 2008 MSRI Graduate Summer school: *A Window into Zeta and Modular Physics*
Introductory lectures by Mason and Tuite on VOAs, elliptic functions and modular forms.
(Pdf and video.)