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Chongying Dong* (dong@math.ucsc.edu), Department of Mathematics, University of California, Santa Cruz, CA 95064, and **Cuipo Jiang**, Department of Mathematics, Shanghai Jiaotong University, Shanghai, Peoples Rep of China. *Rationality of vertex operator algebras*. Preliminary report.

We will present a result on the rationality of a vertex perator algebra. That is, a vertex operator algebra V is rational if and only if its Zhu algebra $A(V)$ is semisimple under some mild assumptions. (Received March 02, 2006)