

1125-D5-2027 **Keith Weber*** (keith.weber@gse.rutgers.edu), Graduate School of Education, 10 Seminary Place, Rutgers University, New Brunswick, NJ 08901. *Using recent advanced in humor theory to understand how we do mathematics and why we enjoy it.*

I use Hurley, Dennett, and Adams' theory of humor to analyze jokes about mathematics and jokes regarding mathematical work. I argue that doing so can provide insights into how we think when we do mathematics. In particular, Hurley and colleagues' theory show how jokes about mathematical errors can illustrate the fallible intuitive inferences that are common in our reasoning and jokes about semantic ambiguity can illuminate why we enjoy visual proofs. Perhaps most enjoyably, this talk will provide a collection of amusing mathematical jokes. (Received September 19, 2016)