

1046-40-1049

**Lisa Lorentzen\*** ([lisa@math.ntnu.no](mailto:lisa@math.ntnu.no)). *Some of Ramanujan's continued fraction identities - how and why.*

Ramanujan left a number of intriguing continued fraction identities at his untimely death, with no clues as to how he derived them. In this talk we give an idea on Ramanujan's reasoning behind his first continued fraction identities. This idea also provides an explanation for his choice of identities. (Received September 14, 2008)