

1023-Q1-662      **Ioana Mihaila\*** ([imihaila@csupomona.edu](mailto:imihaila@csupomona.edu)), Department of Mathematics and Statistics, Cal Poly Pomona, 3801 W. Temple Ave., Pomona, CA 91768. *To Cantor and Beyond.*

The most important thing about real analysis is understanding why we need it. Its essence lies perhaps not in the delicate proofs, but in the abundance of quirks and paradoxes. The speaker will present some intriguing facts about the Cantor set, and suggest appropriate assignments and projects for students. (Received September 20, 2006)