

# Grad Seminar

---

22 March 2019—PKH 107

---

*\*Undergraduates welcomed\**

---

**THOMAS (TJ) DAVIS**

***ARE YOU FOR REAL?***

**CENTIPEDE MATHEMATICS APPLIED TO THE REAL NUMBERS**

---

**ABSTRACT:**

In this talk, the classical equivalent definitions of the real numbers will be reviewed, as well as similar constructions of complete ordered fields. Examples will include the p-adic fields (for p prime), the hyper reals, the computable reals, and real number objects in a topos (a category with constructions very similar to Set).

**PREVIOUS SCHOOLS:**

The University of Texas at Arlington

**INTERESTS :**

Ancient Greek

Playing and listening to classical music

Tutoring and education

