

“Continuous effort - not strength or intelligence - is the key to unlocking our potential.”

-Winston Churchill

“The will to win, the desire to succeed, the urge to reach your full potential...these are the keys that will unlock the door to personal excellence.”

“The way of the superior person is threefold; virtuous, they are free from anxieties; wise they are free from perplexities; and bold they are free from fear.”

-Confucius

“The density of your destiny is the product of the mass of your visions and the volume your impacts occupy!”

-Israelmore Ayivor

## The Trivial Notions Seminar Proudly Announces

### Potential density of quartic threefolds

A talk by  
Eric Riedl

#### **Abstract**

We say that a variety is potentially dense if its  $K$ -points are Zariski dense for some number field  $K$ . Potential density has been the subject of much study, and there is a well-known conjecture of Lang relating potential density to the geometry of the variety. We discuss the basic set-up, then sketch Harris and Tschinkel’s proof that quartic threefolds are potentially dense.

Thursday, October 16<sup>th</sup>, at 1:30 pm  
Science Center 222