

# The $K$ -group at Reed

July 6 – August 28, 2015

Learn  $K$ -theory

Do research

Get paid

$$\begin{array}{ccc} \mathbb{Q}^\times \times \mathbb{Q}^\times & \longrightarrow & \mathbb{Z}/2\mathbb{Z} \\ \downarrow & & \downarrow \\ K_2\mathbb{Q} & \xrightarrow[\text{Tate}]{\cong} & \prod_{p \geq 2} R_p \end{array} \implies \left( \frac{a,b}{\infty} \right) = \prod_{p \geq 2} \left( \frac{a,b}{p} \right)^{a_p}$$

<http://people.reed.edu/~ormsbyk/kgroup.html>

Application deadline March 31, 2015