

Turing Machines and the Halting Problem

Undergraduate Math Club
CORNELL UNIVERSITY



SPEAKER

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ABSTRACT

I will give an introduction to Turing Machines, which now serve as the model for computation. Following a proof that the Halting Problem is undecidable, meaning there is no Turing Machine to determine if an arbitrary Turing Machine will halt, I will explore some of the uses Turing Machines have found in mathematics in the more than 80 years since their conception.

SEP 24 at 5:15pm

Malott 532 ★ Refreshments