COLLOQUIUM

The formal proof of the Kepler conjecture

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The Kepler conjecture asserts that no packing of congruent balls in space can have density greater than the familiar cannonball arrangement. If every logical inference of proof has been checked all the way to the fundamental axioms of mathematics, then we say that the proof has been formally verified. The Kepler conjecture has now been formally verified by computer, in a massive cloud computation. This talk will report on this and other massive formal verification projects.

The lecture will take place in Thackeray 704 at 3:30pm.
Refreshments will start at 3:00pm.