LTCC Christmas Lecture 2026

by Professor Kevin Buzzard,
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Lean for the Working Mathematician

```
/-- **Classification of finite simple groups, statement only.** Every finite simple group is
isomorphic to one of the explicitly constructed groups on the classification list. -/
def ClassificationStatement : Prop :=
  ∀ (G : Type u) [Group G] [Finite G] [IsSimpleGroup G],
    ∃ i : CFSGIndex, Nonempty (G ≃* i.Group)
```

I will talk about what Lean is, and what Lean can do for mathematicians who don't have the time or interest to learn Lean. I will explain the bare minimum which I think a mathematician should know about the topic, and I will give examples of how to read Lean statements; this is much easier than learning how to write Lean proofs.

Join us on Monday 7th December 2026 at 6pm

UCL, Room 505,
25 Gordon Street, London, WC1H 0AY

for a magical lecture, followed by some food and drinks.
RSVP by 5pm on 2nd December

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