

J Strother Moore's Visit to NU

J. Strother Moore, the Moore in Boyer-Moore, just completed a two-days visit to Northeastern. He gave a talk, [Machines Reasoning about Machines](#), complete with demo using the ACL2 theorem prover. ACL2 is a first-order theorem prover for proving equational properties of programs written in an applicative subset of Common Lisp. It is amazingly fast, and comes with a well-equipped library of theories to work with.

Fascinating work, if only because I am set to teach an undergraduate course using ACL2 next semester with [Pete Manolios](#).

Now if we could just move the ACL2 technology to a typed language and extend it to higher-order, I'd be happy. (I know, I know, there are fundamental limitations re the latter, but still, even getting halfway there would be fun.)

Pete told me that the two books on ACL2:

- *Computer-Aided Reasoning: An Approach*
- *Computer-Aided Reasoning: ACL2 Case Studies*

are now available in [paperback](#) for a very reasonable fee.