Enhancements to ACL2 in Versions 5.0, 6.0, and 6.1

Matt Kaufmann
J Strother Moore

The University of Texas at Austin

May 31, 2013
OUTLINE

OVERVIEW

LICENSING AND DISTRIBUTION CHANGES

A QUICK TOUR
OUTLINE

OVERVIEW

LICENSES AND DISTRIBUTION CHANGES

A QUICK TOUR
OVERVIEW

- Preceding ACL2 Workshop: November, 2011
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- Before that, most recent ACL2 release: Version 4.3, July, 2011
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- Since then:
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What does this all add up to?
ACL2 is increasingly *full-featured* and *robust*, supporting all the *programming* and *proof* techniques its users want.
OVERVIEW (CONTINUED)

ACL2 is increasingly full-featured and robust, supporting all the programming and proof techniques its users want.

CRITICAL: Requests from the ACL2 user community.
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**CRITICAL**: Requests from the ACL2 user community.

**THANK YOU!** And please keep ’em coming!
Overview (continued)

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We specifically thank Warren Hunt, who has worked hard to keep us funded through the years.
## Licensing and Distribution Changes

### Overview

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<td><strong>Heuristic improvements:</strong></td>
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<td>1</td>
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<td><strong>New features:</strong></td>
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The table above omits many changes to the community books and:

- **Emacs Support**
- **Experimental Extensions**
- **ACL2(h), ACL2(p), ACL2(r)**
- **Comments in (deflabel note-x-y ...)**
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But first....
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LICENSE AND DISTRIBUTION CHANGES

A QUICK TOUR
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Version 5.0 (August 2012): GPL Version 2

UT (University of Texas at Austin) didn't permit "or later" (disallowed Version 3).

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More acceptable to some industry groups
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Distribution Change (Books)

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Today, we highlight a few ACL2 enhancements by putting the following line just above each of them:

vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
A QUICK TOUR (CONTINUED)

This will be a *whirlwind tour*. 
A QUICK TOUR (CONTINUED)

This will be a whirlwind tour.

- **Suggestion:** Get a high-level view of what you’ll find when you read the paper.
  - **Best not to read along**
A QUICK TOUR (CONTINUED)

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▶ **My goal:** Point out enhancements for you to learn about.
  ▶ **Details to be omitted** due to time constraints