Click Nagolla
Interactive linear logic prover

Etienne CALLIES
etienne.callies@ens-lyon.fr

Olivier LAURENT
olivier.laurent@ens-lyon.fr

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1. Motivations
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1. MOTIVATIONS

A linear logic tool for both beginners & experts

- Intuitive UI
- Faster than writing a proof by hand
- Reliable
- Basic & advanced features
2. Demo!

Connectives:

\[ A \otimes A^\uparrow \]
\[ A \otimes B \vdash A \otimes B \]
\[ \top, 0 \]
\[ 1, ?A \]
\[ A, B, A^\otimes B^\uparrow, \bot \]
\[ \text{cut} \]

Provability check & auto-prover:

\[ 1 \otimes \bot, 1, 1 \]
\[ 1 \otimes \bot, 1, ?1 \]
\[ 1 \otimes \bot, 1, 1, ?1 \]

Notations:

\[ A, B \]
\[ \text{integers} \]
3. NEXT STEPS

- Proof transformations:
  - axiom expansion
  - cut elimination
  - focusing

- Visit our github
Thank you!

https://click-and-collect.linear-logic.org/

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