

"The Abbey"

"Site Update"

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Tomar DELPH-IN Summit
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The Abbey

- Things I've done this year
 - Applications of MRS
 - ACE development
- Things others have done at the abbey
 - Various discussions



Applications of MRS

- *SEM 2012: Predicting the Scope of Negation
- SemEval 2014: Robot Commands
- ERG-based hand-written rule-driven systems with pure ML back-off when uncertain

Parsing Speed(up?)

- Extractions: lots of wasted work
 - Too hard to predict – lose coverage before recouping prediction time
- Attachments: can underspecify
 - But savings not as much as expected
 - ... and extra unpacking is a hassle

Parsing Speed(up?) (2)

- Most of the chart doesn't reach a root
 - Skeleton grammar of QC vectors
 - Balance between increased packing and overgeneration
 - Sweet-spot seems to be all the way towards the full-AVM end

Parsing Speedup! (3)

- Some things you want to pack don't
- Subsumption is one-sided
- *Generalization Packing* — can pack two edges even if neither subsumes the other
- 33% speedup (Cathedral & Bazaar; 1212)

Discussion Notes

- Free Relatives
<http://moin.delph-in.net/AbbeyApposition>
- Chrysalis Meeting
<http://moin.delph-in.net/TheAbbey/Chrysalis2014>