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A CAP Parser Generator for German

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Data about SAFRAN and SUSY-II

- names of the systems: SUSY-II and SAFRAN
- status: research
- implementation: parser is implemented
  transfer and generation are planned
- type of planned MT-system: transfer-based / multilingual
- languages: German, French and English (SUSY-II)
  German (SAFRAN)
- speed: morphological analysis - 20 words/sec. CPU-time
  syntactic analysis - 1 word/sec. CPU-time
- type of output: dependency representation
- dictionaries:
  German analysis (142 000 entries)
  English analysis (9 000 entries)
  French analysis (9 400 entries)
  (dictionaries for semantic analysis, G-E, G-F, E-G, and F-G transfer, and French, English, and
  German generation are available, but not yet used)
- linguistic knowledge:

<table>
<thead>
<tr>
<th></th>
<th>German</th>
<th>English</th>
<th>French</th>
</tr>
</thead>
<tbody>
<tr>
<td>rules</td>
<td>185</td>
<td>130</td>
<td>115</td>
</tr>
<tr>
<td>scouts</td>
<td>105</td>
<td>85</td>
<td>60</td>
</tr>
<tr>
<td>missions</td>
<td>50</td>
<td>26</td>
<td>24</td>
</tr>
</tbody>
</table>
- implementation language (compiler and runtime system):
  SUSY-II: FORTRAN
  SAFRAN: COMSKEE
- hardware: SIEMENS 7.570
- operating system: BS 2000
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