2 EXAMPLES 1

# Integrating CML and OMDoc

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June 24, 2007

#### Abstract

This will revolutionize science.<sup>1</sup>

EdNote(1)

### 1 Introduction

 $^{2}$  EdNote(2)

## 2 Examples

We consider an example from Steininger's Dissertation [Ste05, p.23]

```
<ochemdoc xml:id="disstest" xmlns= "http://www.sciml.org/ochemdoc">
<!-- <symbol name="ester"/>
<molecule for="esther">
<cml>....</cml>
</molecule>-->
<assertion>
  <CMP>
    Der erste Teil wird nicht wie in Kapitel 2.3.2 als konstante Hintergrundreaktion angenommen, sondern die fr diese Reaktion verfgbare Esterkonzentration <math><share
    href="#esterconst"/></math> nimmt durch die Bildung des Ester-Katalysator-Komplexes
<math class="display">
  <apply>
    <ea/>
    <csymbol cd="foundations" name="rgas"/>
    <apply>
       <plus/>
       <apply>
         <times/> <csymbol cd="rateconstants" name="O"/>
         <apply xml:id="esterconst">
  <apply xml:id="esterconst">
  <csymbol cd="foundations" name="concentration"/>
           <csymbol cd="cml" name="Ester"/>
         </apply>
       </apply>
      <apply>
   ^1\mathrm{EdNote}\colon continue
```

<sup>2</sup>EdNote: write something

REFERENCES 2

```
<times/>
<csymbol cd="rateconstants" name="Kat"/>
<apply>
<csymbol cd="foundations" name="concentration"/>
<compound>
<csymbol cd="cml" name="Ester"/>
<csymbol cd="cml" name="Katstar"/>
</compound>
</apply>
</apply>
</apply>
</apply>
</apply>
</apply>
</apply>
</arb</td>
</arb</td>
</ar>
hier kommt der rest
</CMP>
</ac>
</ac>
```

# 3 Conclusion

## References

[Ste05] Harald Steininger. 2-Pyridon-katalysierte Esteraminolyse. PhD thesis, Ludwig-Maximilians-Universitt M\u00fchen, 2005.

REFERENCES 3

```
\# A RelaxNG schema for Open Chemical Documents (OChemDoc 1.2) \# $Id: omdoc.rnc 6399 2007–05–25 15:07:45Z kohlhase $
\# See the documentation and examples at http://www.omdoc.org
# Copyright (c) 2007 Michael Kohlhase, released under the GNU Public License (GPL)
{\it default\ namespace\ omdoc} = "http://www.sciml.org/ochemdoc"
id.attrib = attribute xml:id {xsd:ID}?,attribute class {xsd:string}?
items = assertion
start = element ochemdoc {id.attrib,items*}
assertion = element \ assertion \ \{id.\,attrib\,, CMP*\}
CMP = element CMP \{(text|math)*\}
mtoken = eq|plus|times
{\rm ctoken} = {\rm notAllowed}
\mathrm{ccont} = \mathrm{compound}
cexp = apply|bind|ci|csymbol|share|mtoken|ctoken|ccont
math = element math {id.attrib,cexp*}
\mathrm{eq} = \mathrm{element} \ \mathrm{eq} \ \{\mathrm{id.attrib}\}
plus = element plus \{id.attrib\}
times = element times {id.attrib}
csymbol = element csymbol {attribute cd {xsd:NCName},attribute name {xsd:NCName}}}
compound = element \ compound \ \{id.attrib, cexp*\} \ \#(can \ also \ be \ used \ in \ an \ apply)
apply= element apply {id.attrib,cexp,cexp+}
bind= element bind {id.attrib,cexp,bvar+,condition,cexp}
bvar = element bvar {ci*}
condition = element condition {id.attrib,cexp}
ci \ = element \ ci \ \{id.\,attrib\,\}
```