

A short presentation on my background in computer graphics

M. Mostajab

www.mmostajab.com

December 8, 2016

- 1 Introduction
- 2 Master Thesis
- 3 Ray tracing revisited for rendering CSG models consisting of higher order primitives
 - The chemistry packages

About Me...

- My name is **Morteza Mostajab**
- Bachelor studies:
Hamedan University of Technology, Iran
- Master studies:
Technische Universität München
- Present:
Researcher at Fraunhofer IGD, Darmstadt
- Research interests:
Real-time physically-based rendering
(Rasterization-based or Ray-tracing)
Virtual reality
Computer graphics and visualization
Game Programming



Inspiration

- Games, Animations, Movies with Special Effects,...



(a) Lion King



(b) caption

- My firsts...



(c) First Com-
puter

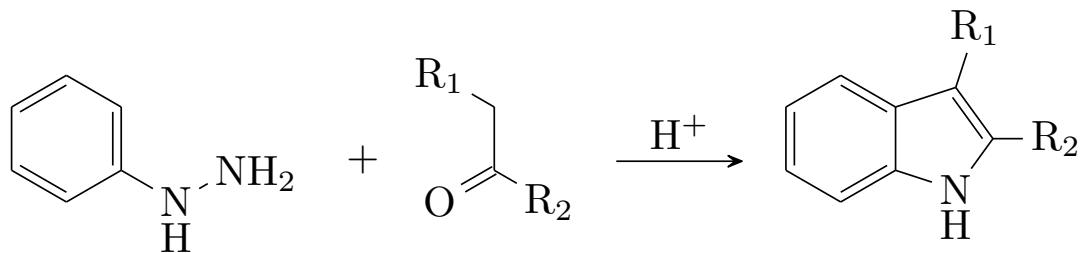


(d) First PC



(e) First Con-
sole

- In these slides we show how Overleaf can be used with standard chemistry packages to easily create professional presentations.
- If you're new to L^AT_EX, check out this free introductory course by Overleaf founder Dr John Lees-Miller: www.overleaf.com/blog/7
- You can also find more quick tips and tricks on the help pages at www.overleaf.com/help



The chemistry packages

We focus on two L^AT_EX chemistry packages:

The chemfig package

This package provides the command which draws molecules. Created by Christian Tellechea, a detailed user guide can be found here:

www.tex.ac.uk/ctan/macros/generic/chemfig/chemfig_doc_en.pdf

The mhchem package

The mhchem package provides simple commands for typesetting chemical molecular formulae and equations. Created by Martin Hensel, a detailed user guide can be found here:

<http://mirror.ox.ac.uk/sites/ctan.org/macros/latex/contrib/mhchem/mhchem.pdf>