Towards small and fast size-exclusion chromatography
Popovici, S.T.
# Table of Contents

Chapter 1  Introduction  
1.1. General aspects of size-exclusion chromatography  
1.2. Calibration curves in SEC  
1.3. Band broadening in SEC  
1.4. Integrity indices  
1.5. Small SEC  
1.6. Fast SEC  
1.7. Two-dimensional SEC  
Scope of the thesis  
Appendix 1  
References  

Chapter 2  Band Broadening in Size-Exclusion Chromatography of Polydisperse  
  
Samples  
Abstract  
2.1. Introduction  
2.2. Theory  
  2.2.1. Band broadening in size-exclusion chromatography  
  2.2.2. Column band broadening  
  2.2.3. Extra-column band broadening  
  2.2.4. Band broadening due to polydispersity  
2.3. Experimental  
  2.3.1. Instrumentation and chemicals  
  2.3.2. Procedures  
2.4. Results and discussion  
  2.4.1. Extra-column band broadening vs. observed dispersion  
  2.4.2. Sample polydispersity vs. observed dispersion  
  2.4.3. Total observed band dispersion  
2.5. Conclusions and outlook  
Acknowledgements