

Series in Geometry and Topology

Volume 39

# Curvature Problems

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International Press



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## CHAPTER 1

# Curvature flows in semi-Riemannian manifolds

### 1. Curvature functions

When you write a book, then you have first to set up and save the root file, like the present one. Typing the manuscript in Latex, especially when Flashmode is used, requires to use the command "includeonly" to load only the actual chapter file you are working on, or only a few others more, such that the typesetting load is not too demanding.

The present file chap1.tex has to be under the control of Flashmode, and not the root file. Running a script like pdflatex can be done either when a chapter file is front most or the root file. However, for bibtex and other tools like metapost the root file has to be front most.

In the present root file I inserted special commands to insure that section headings of sections with section numbers of the type 99.99 are equally lined up with those having numbers of the type 9.9 in the table of contents. These special commands require the use of amsbook.cls. If you use a different book class, then these commands have to be removed.

