A DATA-DRIVEN TECHNICAL BOOK

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Contents

1. Purpose 1
2. A source-first workflow 1
2.1. A useful invariant 1
3. A worked example 1
4. Next steps 2

1. Purpose

BookML connects a LaTeX source tree to PDF and accessible web-oriented output through LaTeXML. This starter keeps the document ordinary enough to compile as a PDF while showing the small hooks that BookML adds for alternative formats.

2. A source-first workflow

Keep chapters and supporting data in separate files as the manuscript grows. The BookML make rules can discover document sources, generate PDF variants, and build HTML, EPUB, or SCORM outputs from the same source tree.

2.1. **A useful invariant.**

Every generated format should preserve the same heading order, equations, and cross-references. Treat the PDF as one checked projection of the source, not as a separate manuscript.

3. A worked example

The accessible-book workflow can carry mathematical content as well:

$$f(x) = \int_0^x g(t)\,\mathrm{d}t, \qquad f'(x) = g(x).$$

Add semantic descriptions to images with ‘ and use the BookML manual’s HTML environments when a web-only enhancement is needed.

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4. Next steps

Replace this text with chapters in the same directory and add a GNU-makefile with ‘include bookml/bookml.mk‘ when you want BookML’s multi-format build.

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