



# The DocBook MathML Document Type

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Abstract:

DocBook MathML Document Type is a modular superset of DocBook XML V4.3. It is a DocBook extension to support [MathML 2.0].

Status:

This is a working draft constructed by the editor. It is not an official committee work product and may not reflect the consensus opinion of the committee.

Please send comments on this specification to the <docbook@lists.oasis-open.org> list. To subscribe, send an email message to <docbook-request@lists.oasis-open.org> with the word "subscribe" as the body of the message.

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# 1. Introduction

DocBook is general purpose document type particularly well suited to books and papers about computer hardware and software (though it is by no means limited to these applications).

DocBook MathML is an extension to provide support for [MathML 2.0] markup in equations.

The DocBook Technical Committee maintains the DocBook MathML schema. DocBook MathML is officially available as an [XML] Document Type Definition (DTD).

The Version 1.2 release is based on [DocBook V4.3].

The DocBook Technical Committee welcomes bug reports and requests for enhancement (RFEs) from the user community. The current list of outstanding requests is available through the SourceForge tracker interface. This is also the preferred mechanism for submitting new requests. Old RFEs, from a previous legacy tracking system, are archived for reference.

## 2. Terminology

The key words *must*, *must not*, *required*, *shall*, *shall not*, *should*, *should not*, *recommended*, *may*, and *optional* in this Working Draft are to be interpreted as described in [RFC 2119]. Note that for reasons of style, these words are not capitalized in this document.

## 3. The DocBook MathML Document Type V1.1CR1

The DocBook MathML Document Type is a superset of [DocBook V4.3]. It is distributed from the DocBook site at OASIS. It is also available from the mirror on <http://docbook.org/>.

### 3.1. Usage

To use this module, specify the public and system identifiers of this module in your document type declaration. For example, to use this module to write a book, use the following document type declaration:

```
<!DOCTYPE book PUBLIC "-//OASIS//DTD DocBook EBNF Module V1.1CR1//EN"
    "http://www.oasis-open.org/docbook/xml/mathml/1.1CR1/dbmathml.dtd">
```

Naturally, you can include an internal subset if you wish.

To incorporate this module into a higher-level customization layer, use the public and system identifiers of this module in your customization layer. For example:

```
<!DOCTYPE % docbookmathml PUBLIC "-//OASIS//DTD DocBook EBNF Module V1.1CR1//EN"
    "http://www.oasis-open.org/docbook/xml/mathml/1.1CR1/dbmathml.dtd"
%docbookmathml;
```

## 4. Changes in DocBook EBNF V1.1CR1

This release updates DocBook MathML to be a customization of DocBook XML V4.3.

There are no substantive changes to the MathML-specific markup.

## 5. Release Notes

None.

# OASIS DocBook Technical Committee (Non-Normative)

The following individuals were members of the committee during the formulation of this Working Draft:

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## Revision History

1.1CR1 27 Jul 2004

## References

### Normative

[XML] Tim Bray, Jean Paoli, C. M. Sperberg-McQueen, *et. al.*, editors. *Extensible Markup Language (XML) 1.0 (Third Edition)*. World Wide Web Consortium, 04 Feb 2004.

[RFC 2119] IETF (Internet Engineering Task Force). *RFC 2119: Key words for use in RFCs to Indicate Requirement Levels*. S. Bradner. 1997.

[DocBook V4.3] Norman Walsh, editor. *The DocBook Document Type: Version 4.3*. OASIS, 2004.

[MathML 2.0] David Carlisle, Patrick Ion, Robert Miner, Nico Poppelier, editors. *Mathematical Markup Language (MathML) Version 2.0 (Second Edition)*. World Wide Web Consortium, 21 Oct 2003.

### Non-Normative

[EBNF] ISO/IEC 14977:1996, *Information Technology -- Syntactic Metalanguage -- Extended BNF*, ISO/IEC, 1996.

[RFC 2234] IETF (Internet Engineering Task Force). *RFC 2234: Augmented BNF for Syntax Specifications: ABNF*. D. Crocker and P. Overell. 1997.