## MathML Browser Test (Presentation Markup)

This is an HTML5 using MathML document.
Safari -- 11/21/2011 -- iOS $5.01 \mathrm{w} /$ native fonts
Click on a formula/equation to see the source code that generated it.
If you are having problems viewing this document, try viewing this older version.



## NOTES:

I hope this site can be used as a learning aid (tutorial by example) for mathematics in $\mathrm{TeX} / \mathrm{LaTeX}$ and in coding MathML.
A small sample of many different types of mathematical expressions and equations is shown.
All the examples are complete with the source code available. (Just click on the equation/formula.)
This web page was validated as:

- HTML5 at The W3C Markup Validation Service
- CSS level 3 at The W3C CSS Validation Service
- Section 508 accessibility requirements/guidelines at The HiSoftware Cynthia Says Portal


## Lessons Learned Working on MathML with STIX Fonts on Firefox:

When using an mtable, the table cell (mtd) default vertical padding produces excessive spacing. Setting the top and bottom padding to zero " 0 " fixes this.
When using the mfenced tag, the "fences" have no spacing around them.
When using the vertical bar "|" (\|) as a fence, adding a little spacing around it improves the readability of the result.
Firebug is an add-on to the Firefox browser. It is a great development tool that works well with MathML.

## Bugs / Enhancements:

- Firefox: Bug 236963 - (stretchy-in-cells) Stretchy characters don't stretch in mtable cells
- Firefox: Bug 403958 - mroot and msqrt overlines not consistent with right hooks in radical glyphs
- Firefox: Bug 491384 - MathML does not honor columnalign attribute of mtable element
- Firefox: Bug 491668 - MathML elements rendered x \& y position available but width and height undefined
- Firefox: Bug 504324 - Hyper-linked MathML formulas should have default text-decoration property set to none
- Firebug: Issue 3159 - Show numeric character reference of MathML


## Useful Links:

- W3C Math Home
- Latest MathML Recommendation
- W3C MathML Test Suite
- HTML5 (Working Draft)
- HTML5 (Working Draft) Named Character References
- XML Entity definitions for Characters
- MathML Characters
- Mozilla Firefox Browser
- MathML in Mozilla
- Fonts for MathML-enabled Mozilla
- MathML Torture Test
- MathPlayer: MathML for Internet Explorer
- Short Math Guide for LaTeX (PDF)
- TeX: Help displaying a formula
- LaTeX - Wikibooks, collection of open-content textbooks
- MiKTex: TeX for Windows
- TeXShop: TeX for Mac OS X

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