The *MathTıme* Plus Fonts

Background: *MathTıme* 1.1 is a basic set of math fonts designed to look good when used with the Times Roman font family for text.

$$\sqrt{x^2 + y^2} = \frac{\alpha + \beta}{\gamma}$$

News: The *MathTıme* Plus package expands the basic *MathTıme* font set by adding bold versions of the math fonts, a new script face in both regular and bold, and more!

The first three fonts in the *MathTıme* Plus collection are simply bold versions of the corresponding *MathTıme* fonts. But if you are trying to draw a distinction between regular and bold operators, 'bold' may not be 'bold' enough. To avoid ambiguity, it is desirable in some cases to have an even heavier weight, like $+$ and $-$ and $\bullet$. So in addition to the three bold fonts, there are three "heavy" fonts.

$$\text{bold:} \quad \sqrt{x^2 + y^2} = \frac{\alpha + \beta}{\gamma} \qquad \text{heavy:} \quad \sqrt{x^2 + y^2} = \frac{\alpha + \beta}{\gamma}$$

In 'math italic' fonts, the ordinary letters are italic, as are the lower case Greek letters. When using *bold* letters for variables, upright letters are often called for. In this situation one may want to use bold upright lower case Greek letters. Consequently, the three math fonts also come in bold and heavy versions with upright Greek.

$$\text{bold:} \quad \sqrt{x^2 + y^2} = \frac{\alpha + \beta}{\gamma} \qquad \text{heavy:} \quad \sqrt{x^2 + y^2} = \frac{\alpha + \beta}{\gamma}$$

Upright lower case Greek letters in text are useful on occasion for things like α- and β-rays, and π- and μ-mesons, where some physicists may prefer upright letters. For this purpose there are both regular and bold fonts supplying upright Greek letters.

Finally, the *MathTıme* MathScript fonts provide both upper and lower case "script" letters. These faces have been specifically designed to accompany Times-Italic and Times-BoldItalic, with the same weight, slant and size — and just enough ornateness.

$$\text{regular:} \quad \mathcal{A} = \mathcal{B} \cup \mathcal{C} \qquad \text{bold:} \quad \mathcal{R} = \mathcal{S} \times \mathcal{T}$$

Notes: *MathTıme* and Times-Roman saves pages because Times is compact. *MathTıme* also saves big in Acrobat PDF files, since Times-Roman fonts need not be embedded, being already wired into the Acrobat Reader. Great for electronic journals.

- *MathTıme* Plus now available *exclusively* from Y&Y, Inc.
- '*MathTıme* Complete' includes both *MathTıme* 1.1 and *MathTıme* Plus
- Y&Y MT Complete TeX System includes '*MathTıme* Complete' font set.

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