

# Typeset complex mathematical structures in QuarkXPress with XPressMath

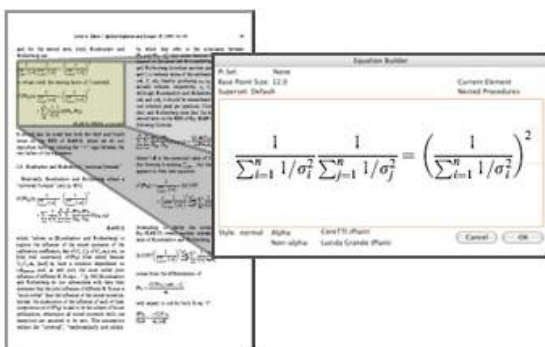
*XPressMath XTensions® software adds to QuarkXPress® the ability to create and modify sophisticated mathematical structures, customized to the most demanding typesetting specifications. The design-rich set of unique mathematical elements and typesetting features work in tandem with the superlative layout capabilities of QuarkXPress enabling you to create, edit, and incorporate high-quality mathematical structures for engineering, science, and mathematical publications. XPressMath XTensions software has already been tested and accepted by the most demanding book publishers.*

## Create consistent mathematical structures in QuarkXPress

XPressMath XTensions software offers you comprehensive functionality to automate the creation of intricate mathematical structures. Its unique approach to creating perfect equation structures complements the superior design elements of QuarkXPress layouts. The combination of QuarkXPress and XPressMath provides you the opportunity to prepare superior publications combining text and mathematical equations.

## Enhance mathematical structures with advanced formatting

With XPressMath XTensions software, you can apply multiple colors and shades to create optically padded backgrounds in equation boxes. You can easily align and arrange equations with complete control over optical space. You also have the freedom to vertically move the specified field to comply with the tolerance levels in the numerator or denominator for optical spacing. This prevents characters from oversetting division rules. In addition you can set globally editable overall structures that adhere to style sheet specifications. You can also specify parameters to automate formatting properties, and also set rules for multiple vertical alignment points, tagging, and naming of data elements and procedures. This gives you the power to create high-quality design rich equations, while maintaining consistency.



Equation Builder window

## Precision formatting

You can automate formatting with XPressMath by creating specific rules for scaling, baseline deflection, and spacing left and right. You can also associate specific characters with procedures (such as a Sigma

character with a summation procedure). Using the ASCII filter language you can automate the creation of stylized equations.

## Accessing characters and symbols

A powerful data setup is provided that incorporates the complete range of mathematical symbols and unique characters. The data set elements have been assembled with consideration for the nuances and variations of each symbol, so you can create a visibly perfect equation. Through XPressMath you can access the complete range of pi characters and alternate fonts and you can use characters from custom fonts to suit your specifications.

## Export equations in multiple formats for output

Mathematical structures created using XPressMath XTensions software can be employed across a wide spectrum of formats. It exports PICT and BMP file formats on Mac OS® and Windows® respectively, to ensure interoperability cross-platform.

## Perfect your equation structures with advanced typography

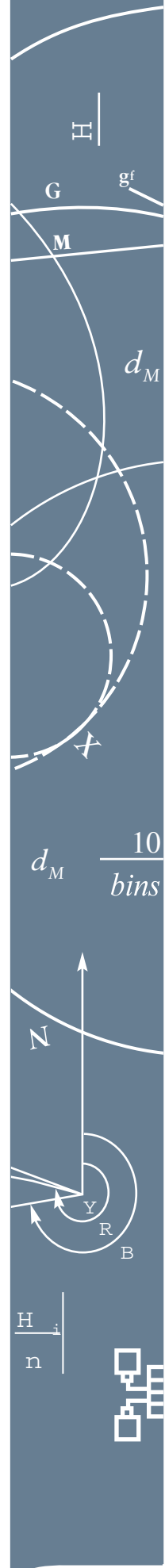
With XPressMath XTensions software, you gain complete control over variables such as spacing above and below division and case fraction rules. You can stack and center elements such as lim procedures and accented characters, over or under the baseline. Advanced typography options help you achieve ideal equation structures.

## Employ global editing capabilities

The global editing capabilities help you to employ across-the-board formatting changes of documents. You can build mathematical equations as well as the interface to access the fonts, font metrics, supersets, alignment options, and procedures. The data setups, character styles, procedures options, and mapping to pi characters, taken as a whole, are managed as supersets. You can create any number of supersets and store them as files. A superset can be used in any number of projects, and a superset that is active for a project can be replaced by another superset at any time.

## Macros control

The macros help you automate and control various mathematical tasks. You can specify the multiple steps that you may need to perform a certain equation, frequently and also in the same sequence. XPressMath





XTensions software creates and defines up to 100 macros using ASCII language.

### Exploit the advantages of ASCII filters

With XPressMath XTensions software you can export and import equations saved in ASCII format into QuarkXPress layouts for offline keyboarding and archiving. You can enter equations in the form of ASCII strings, or as part of an externally created document that contains ASCII strings. You can also create macros with merge codes for variable input, which are accessible interactively or from the ASCII language in QuarkXPress.

### Benefit from the powerful features

XPressMath XTensions software not only provides a powerful tool for creating complex mathematical equations with the most exacting typesetting standards, but it increases productivity with its automation features.

Using the XPressMath XTensions software you can:

- Create case fractions
- Create multilevel build-up fractions and matrices
- Typeset radicals, integrals, and summations
- Use keyboard equations in an efficient and interactive manner
- Abridge the keyboarding for mathematical text, signs, and pi characters
- Insert fixed amount of space around mathematical signs and structures
- Modify previously created mathematical equations
- Easily switch between typefaces as often required within mathematical structures

### Minimum system requirements

#### Mac OS

- Mac OS X 10.3.2. (Panther)
- QuarkXPress 6.5 or QuarkXPress Passport® 6.5

#### Windows

- Windows 2000 or Windows XP
- QuarkXPress 6.5 or QuarkXPress Passport

### CONTACTING QUARK

#### *In North America*

Quark, Inc.  
1800 Grant Street  
Suite 800  
Denver, CO 80203  
[www.quark.com](http://www.quark.com)  
[solutions@quark.com](mailto:solutions@quark.com)  
800.676.4575  
303.894.8888

#### *In Europe*

Quark Media House Sàrl  
Rue de Saint Nicolas 7  
2000 Neuchâtel  
Switzerland  
[euro.quark.com](http://euro.quark.com)  
[solutions@quark.ch](mailto:solutions@quark.ch)  
00800 1787 8275

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