# Shortcuts in Mathcad Prime 10.0 for Scandinavian Keyboards

## Regions

### Inserting Regions

| Operator/Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| Area | Insert an area that you can collapse or expand to toggle the display of your work. | Ctrl Shift A | |
| Excel Component | Inserts an Excel component. | Ctrl Shift E | |
| Chart Component | Inserts a Chart component. | Ctrl 1 | |
| Include Worksheet | Inserts variable and function definition from another worksheet. | Ctrl Shift W | |
| Math | Inserts a math region. | Ctrl Shift M | |
| Object | Inserts an object in your worksheet to embed content from another application. | Ctrl Shift O | |
| Solve Block | Inserts a solve block. | Ctrl 7 | |
| Table | Inserts a table. | Ctrl 6 | |
| Text Block | Inserts a text block. | Ctrl Shift T | |
| Text Box | Inserts a text box. | Ctrl T | |

### Working with Regions

| Description | Keyboard Shortcut | Scandinavian |
|---|---|---|
| Moves the cursor to the beginning of the expression. | Home | |
| Moves the cursor to the end of the expression. | End | |
| Moves the cursor to the left of the selected expression or to the beginning of the selected word. | Ctrl Left Arrow | |
| Moves the cursor to the right of the selected expression or to the end of the selected word. | Ctrl Right Arrow | |
| Moves the cursor to the next placeholder. | Right Arrow | |
| Moves the cursor to the previous placeholder. | Left Arrow | |
| Recalculates the selected or active region. | F5<br>F9 | |
| Separates the selected regions horizontally. | Ctrl F8 | |
| Separates the selected regions vertically. | Ctrl F3 | |
| Toggles the active selection. | Ctrl Enter | |
| Inside a text region, inserts a new line above or below depending on the position of the cursor. | Shift Enter | |

# Math

| Operator/Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| Greek Letter | Adds a Greek letter | corresponding Latin letter, Ctrl G | |
| i or j | Indicates imaginary units. | 1i or 1j | |
| Insert String | Insert a string. | ″ | |
| Subscripts | Toggles the baseline of a text. | Ctrl – | |
| Toggle Labels | | Ctrl Q | |

# Constants

| Operator/Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $\gamma$ | Euler's constant/ number | g, Ctrl G | |
| $\infty$ | Infinity | Ctrl Shift Z | |
| $\pi$ | Pi | p, Ctrl G | |

# Plots

| Operator/Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| XY Plot | Inserts an XY Plot | Ctrl 2 | |
| 3D Plot | Inserts a 3D Plot | Ctrl 3 | |
| Polar Plot | Inserts a Polar Plot | Ctrl 4 | |
| Contour Plot | Inserts a Contour Plot | Ctrl 5 | |
| All Plots | Inserts a new axis expression into the active axis expression list. | Shift Enter | |

# Operators

## Algebra Operators

| Operator | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $\lvert x \rvert$ | Absolute Value | \| | |
| $x+y$ | Addition | + | |
| $\lvert M \rvert$ | Determinant | \| | |
| $\frac{x}{y}$ | Division | / | |
| $y^x$ | Exponentiation | ^ | |
| $n!$ | Factorial | ! | |
| $x \div y$ | In–line Division | Ctrl / | Ctrl * |
| $(x)$ | Matched pair of parenthesis | ( | |
| $x \cdot y$ | Multiplication and Dot Product | * | |
| $x-y$ | Negation and Subtraction | – | |
| , | Separate arguments of a function | , Comma | |
| $\sqrt[n]{x}$ | Square Root and Nth Root | \ | |
| $x\%$ | Percent | % | |

## Equation Break Operators

| Operator | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $+\hookleftarrow$ | Equation Break Addition | Ctrl Shift + | |
| $-\hookleftarrow$ | Equation Break Subtraction | Ctrl Shift − | |
| $\cdot\hookleftarrow$ | Equation Break Multiplication | Ctrl Shift * | Ctrl Shift 8 |
| $\div\hookleftarrow$ | Equation Break Division | Ctrl Shift / | Ctrl Shift ′ |
| $\hookleftarrow$ | Toggle between regular and Equation Break Operators. | Ctrl Shift Enter | |

## Calculus Operators

| Operator | Description | Keyboard Shortcut | Sve/Nor/Dan |
|---|---|---|---|
| $A \circledast B$ | Circular Convolution | Ctrl Shift V | |
| $\nabla_x f(t)$ | Gradient Operator | Ctrl Shift G | |
| $\frac{\mathrm{d}^2}{\mathrm{d}t^2} f(t)$ | Derivative | Ctrl Shift D | |
| $\frac{\partial^2}{\partial x^2} f(x, y)$ | Partial derivative | Ctrl D | |
| $\int_a^b f(x)\,\mathrm{d}x$ | Integral | Ctrl Shift I | |
| $A * B$ | Linear Convolution | Ctrl Shift L | |
| $f'$ | Prime | Ctrl ′ (Apostrophe) | Ctrl Ä/Æ/Ø |
| $\prod_{j=m}^{n} X$ | Product | Ctrl Shift # | Ctrl Shift 3 |
| $\sum_{j=m}^{n} X$ | Summation | Ctrl Shift $ | Ctrl Shift 4 |

## Comparison Operators

| Operator | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $x = y$ | Equal To | Ctrl = | Ctrl + |
| $x > y$ | Greater Than | > | |
| $x \geq y$ | Greater Than or Equal To | >=<br>Ctrl 0 | |
| $x \neq y$ | Inequality | <> | |
| $x \in y$ | Is Element Of | Ctrl F7 | |
| $x < y$ | Less Than | < | |
| $x \leq y$ | Less Than or Equal To | <=<br>Ctrl 9 | |
| $x \oplus y$ | Logical Exclusive OR | Ctrl Shift % | |
| $x \wedge y$ | Logical AND | Ctrl Shift & | Ctrl Shift 7 |
| $\neg x$ | Logical NOT | Ctrl Shift ! | |
| $x \vee y$ | Logical OR | Ctrl Shift @ | |

## Definition and Evaluation Operators

| Operator | Description | Keyboard Shortcut | Sve/Nor/Dan |
|---|---|---|---|
| $x := a$ | Definition | : | |
| $x = 1$ | Evaluation | = | |
| $y \equiv a$ | Global Definition | Ctrl Shift ~ | Ctrl Shift Ö/Ø/Æ |

## Engineering Operators

| Operator | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $\overline{x}$ | Complex Conjugate | Ctrl Shift ( | Ctrl Shift ) |
| $x^{\circ}$ | Degree | Hold down Alt and press 0176 on NumPad | |
| $5\ y$ | Scaling | Ctrl Shift U | |
| $x \angle y$ | Polar | Ctrl Shift P | |

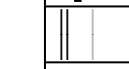
## Symbolic Operators

| Operator/Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $x \rightarrow 1$ | Symbolic Evaluation | Ctrl . | |
| $\lim_{x \to 0} y$ | Limit | Ctrl L | |
| Cursor at end of a symbolic keyword | Adds a new line with a keyword placeholder | Shift Enter | |

## Vector and Matrix Operators

| Operator | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| $u \times v$ | Cross Product | Ctrl 8 | |
| $\begin{bmatrix} \blacksquare \end{bmatrix}$ | Matrix | [<br>Ctrl M | |
| $M^{\langle j \rangle}$ | Matrix Column | Ctrl Shift C | |
| $M_{i,j}$ | Matrix Index | [ | |
| $M^{-1}$ | Matrix Inverse | ^−1 | |
| $M^{\widehat{i}}$ | Matrix Row | Ctrl Shift R | |
| $M^{\mathrm{T}}$ | Matrix Transpose | Ctrl Shift T | |
| $\lVert M \rVert$ | Norm | Ctrl Shift \| | Ctrl Shift § |
| $x..y$ | Range | .. | |
| $x, y..z$ | Step Range | , | |
| $\overrightarrow{M}$ | Vectorize | Ctrl Shift ^ | Ctrl Shift 6 |

### Programming Operators

| Operator | Description | Keyboard Shortcut | Sve/Nor/Dan |
|---|---|---|---|
|  | Program | ] | |
| $x \leftarrow y$ | Local Assignment | { | |
| if $w$<br>$\quad x$ | If | } | |
| if $w$<br>$\quad x$<br>else<br>$\quad y$ | Else | Ctrl Shift } | Ctrl Shift Å |
| if $w$<br>$\quad x$<br>else if $y$<br>$\quad z$ | Else If | Ctrl ; | Ctrl ¨ |
| if $w$<br>$\quad x$<br>also if $y$<br>$\quad z$ | Also If | Ctrl Shift ) | Ctrl Shift 0 |
| while $x$<br>$\quad y$ | While Loop | Ctrl ] | Ctrl Å |
| for $x \in y$<br>$\quad z$ | For Loop | Ctrl Shift ″ | Ctrl Shift Ä/Æ/Ø |
| break | Break | Ctrl Shift { | Ctrl Shift ´ |
| continue | Continue | Ctrl Shift : | Ctrl Shift ¨ |
| return $x$ | Return | Ctrl \ | Ctrl § |
| try<br>$\quad x$<br>on error<br>$\quad y$ | Try / On Error | Ctrl [ | Ctrl ´ |
| $x$ | Adds a new line to the program | Enter | |
| Manually enter programming operators | Pressing Ctrl J after a program word, changes the word into an operator. | Ctrl J | |

## Matrices and Tables

| Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| Insert Left/Right | Inserts a column to the left or to the right according to the cursor's location. | Shift Space | |
| Insert Above/Below | Inserts a row above or below depending on the location of the cursor. | Shift Enter | |

# Text

| Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| Bulleted List | Create a bulleted list. | Ctrl Shift L | |
| Numbered List | Create a numbered list. | Ctrl Shift N | |
| Increase indent | Increase the indent to move the selected text to the right. | Tab<br>Ctrl T | |
| Decrease indent | Decrease the indent to move the selected text to the left. | Shift Tab<br>Shift Ctrl T | |
| Align text left | Align the selected text on its left edge. | Ctrl L | |
| Center text | Align the selected text on its left edge | Ctrl E | |
| Align text right | Align the selected text on its right edge. | Ctrl R | |
| Justify text | Align the selected text on both the right and the left edges of the region. Extra space is added between words if necessary. | Ctrl J | |
| Link | Insert link | Ctrl K | |
| Bold | Make the selected text bold. | Ctrl B | |
| Italics | Italicize the selected text. | Ctrl I | |
| Subscript | Switch between normal and subscript text format. | Ctrl − | |
| Superscript | Switch between normal and superscript text format. | Ctrl + | |

# General

| Command | Description | Keyboard Shortcut | Scandinavian |
|---|---|---|---|
| Calculate Worksheet | Recalculate the worksheet. | Ctrl F5<br>Ctrl F9 | |
| Functions, open dialog box | Opens the Function dialog box. | F2 | |
| Add Page Break | Insert a page break. | Ctrl Enter | |
| Go To Page | Goes to the page which number you indicated. | Ctrl Alt G | Ctrl Alt G<br>AltGr G |
| Help | Opens the Help Center. | F1 | |
| Close | Closes the current document. | Ctrl W<br>Ctrl F4 | |
| About | Opens the About dialog box | Ctrl Alt F1 | Ctrl Alt F1<br>AltGr F1 |
| Switch document | Toggles between all opened documents. | | |
| Switch document | Toggles between all opened documents backwards. | Ctrl Shift Tab<br>Ctrl Shift F6 | |
| New | Creates a new worksheet | Ctrl N | |
| Open | Opens an existing ws | Ctrl O | |
| Save | Saves the current ws | Ctrl S | |
| Print | Prints the current ws | Ctrl P | |