#### m (Matrix Function)

This element specifies the Matrix function, consisting of one or more elements laid out in one or more rows and one or more columns. [Example: Examples of matrices are: $\left(\begin{matrix}1&2\\3&4\\5&6\end{matrix}\right)$ and $\left[\begin{matrix}1&\\&1\end{matrix}\right]$. Below is a 2x2 matrix, in its proper form an in XML.

$$\left(\begin{matrix}1&2\\3&4\end{matrix}\right)$$

<m:m>
 <m:mPr>
 <m:mcs>
 <m:mc>
 <m:mcPr>
 <m:mcJc m:val="center"/>
 <m:count m:val="2"/>
 </m:mcPr>
 </m:mc>
 </m:mcs>
 </m:mPr>

 <m:mr>
 <m:e>
 <m:r>
 <m:rPr>
 <m:scr m:val="roman"/>
 <m:sty m:val="p"/>
 </m:rPr>
 <m:t>1</m:t>
 </m:r >
 </m:e>

 <m:e>
 <m:r>
 <m:rPr>
 <m:scr m:val="roman"/>
 <m:sty m:val="p"/>
 </m:rPr>
 <m:t>2</m:t>
 </m:r >
 </m:e>
 </m:mr>

 <m:mr>
 <m:e>
 <m:r>
 <m:rPr>
 <m:scr m:val="roman"/>
 <m:sty m:val="p"/>
 </m:rPr>
 <m:t>3</m:t>
 </m:r >
 </m:e>

 <m:e>
 <m:r>
 <m:rPr>
 <m:scr m:val="roman"/>
 <m:sty m:val="p"/>
 </m:rPr>
 <m:t>4</m:t>
 </m:r >
 </m:e>
 </m:mr>
</m:m>

end example]

|  |
| --- |
| Parent Elements |
| [deg](deg.docx) (§); del (§); [den](den.docx) (§); [e](e.docx) (§); [fName](fName.docx) (§); ins (§); [lim](lim.docx) (§); moveFrom (§); moveTo (§); [num](num.docx) (§); [oMath](oMath.docx) (§); [sub](sub.docx) (§); [sup](sup.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [mPr](mPr.docx) (Matrix Properties) | § |
| [mr](mr.docx) (Matrix Row) | § |

The following XML Schema fragment defines the contents of this element:

<complexType name="CT\_M">

 <sequence>

 <element name="[mPr](mPr.docx)" [type](type.docx)="CT\_MPr" minOccurs="0"/>

 <element name="[mr](mr.docx)" [type](type.docx)="CT\_MR" maxOccurs="unbounded"/>

 </sequence>

</complexType>