#### fName (Function Name)

This element specifies the name of the function in the Function-Apply object func. For example, function names are $sin$ and $cos$.

[Example: As an example, the [func](func.docx) $\lim\_{n\to \infty }x\_{n}$ has fName $\lim\_{n\to \infty }$and [e](e.docx) $x\_{n}$:

<m:func>
 <m:fName>
 <m:limLow>
 <m:e>
 <m:r>
 <m:rPr>
 <m:scr m:val="roman"/>
 <m:sty m:val="p"/>
 </m:rPr>
 <m:t>lim</m:t>
 </m:r>
 </m:e>

 <m:lim>
 <m:r>
 <m:t>n&#8594;&#8734;</m:t>
 </m:r>
 </m:lim>
 </m:limLow>
 </m:fName>
 <m:e>
 <m:sSub>
 <m:e>
 <m:r>
 <m:t>x</m:t>
 </m:r>
 </m:e>

 <m:sub>
 <m:r>
 <m:t>n</m:t>
 </m:r>
 </m:sub>
 </m:sSub>
 </m:e>
</m:func>

end example]

|  |
| --- |
| Parent Elements |
| [func](func.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [acc](acc.docx) (Accent) | § |
| [argPr](argPr.docx) (Argument Properties) | § |
| [bar](bar.docx) (Bar) | § |
| bookmarkEnd (Bookmark End) | § |
| bookmarkStart (Bookmark Start) | § |
| [borderBox](borderBox.docx) (Border-Box Function) | § |
| [box](box.docx) (Box Function) | § |
| commentRangeEnd (Comment Anchor Range End) | § |
| commentRangeStart (Comment Anchor Range Start) | § |
| [ctrlPr](ctrlPr.docx) (Control Properties) | § |
| customXmlDelRangeEnd (Custom XML Markup Deletion End) | § |
| customXmlDelRangeStart (Custom XML Markup Deletion Start) | § |
| customXmlInsRangeEnd (Custom XML Markup Insertion End) | § |
| customXmlInsRangeStart (Custom XML Markup Insertion Start) | § |
| customXmlMoveFromRangeEnd (Custom XML Markup Move [Source](Source.docx) End) | § |
| customXmlMoveFromRangeStart (Custom XML Markup Move [Source](Source.docx) Start) | § |
| customXmlMoveToRangeEnd (Custom XML Markup Move Destination Location End) | § |
| customXmlMoveToRangeStart (Custom XML Markup Move Destination Location Start) | § |
| [d](d.docx) (Delimiter Function) | § |
| del (Deleted Run Content) | § |
| [eqArr](eqArr.docx) (Equation-Array Function) | § |
| [f](f.docx) (Fraction Function) | § |
| [func](func.docx) (Function Apply Function) | § |
| [groupChr](groupChr.docx) (Group-Character Function) | § |
| ins (Inserted Run Content) | § |
| [limLow](limLow.docx) (Lower-Limit Function) | § |
| [limUpp](limUpp.docx) (Upper-Limit Function) | § |
| [m](m.docx) (Matrix Function) | § |
| moveFrom (Move [Source](Source.docx) Run Content) | § |
| moveFromRangeEnd (Move [Source](Source.docx) Location Container - End) | § |
| moveFromRangeStart (Move [Source](Source.docx) Location Container - Start) | § |
| moveTo (Move Destination Run Content) | § |
| moveToRangeEnd (Move Destination Location Container - End) | § |
| moveToRangeStart (Move Destination Location Container - Start) | § |
| [nary](nary.docx) (n-ary Operator Function) | § |
| [oMath](oMath.docx) (Office Math) | § |
| [oMathPara](oMathPara.docx) (Math Paragraph) | § |
| permEnd (Range Permission End) | § |
| permStart (Range Permission Start) | § |
| [phant](phant.docx) (Phantom Function) | § |
| proofErr (Proofing Error Anchor) | § |
| [r](r.docx) (Run) | § |
| [rad](rad.docx) (Radical Function) | § |
| [sPre](sPre.docx) (Pre-Sub-Superscript Function) | § |
| [sSub](sSub.docx) (Subscript Function) | § |
| [sSubSup](sSubSup.docx) (Sub-Superscript Function) | § |
| [sSup](sSup.docx) (Superscript Function) | § |

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

<complexType name="CT\_OMathArg">

 <sequence>

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

 <group ref="EG\_OMathElements" minOccurs="0" maxOccurs="unbounded"/>

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

 </sequence>

</complexType>