#### func (Function Apply Function)

This element specifies the Function-Apply function, which consists of a function name and an argument acted upon. [Example: Examples of Function-Apply objects include: , , and .

As an example, the func has [fName](fName.docx) and [e](e.docx) :

<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 |
| [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 |
| [e](e.docx) (Base (Argument)) | § |
| [fName](fName.docx) (Function Name) | § |
| [funcPr](funcPr.docx) (Function Properties) | § |

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

<complexType name="CT\_Func">

<sequence>

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

<element name="[fName](fName.docx)" [type](type.docx)="CT\_OMathArg"/>

<element name="[e](e.docx)" [type](type.docx)="CT\_OMathArg"/>

</sequence>

</complexType>