#### calculatedMember (Calculated Member)

Represents a calculated OLAP hierarchy. A calculated [member](member.docx) is a [member](member.docx) of an OLAP-based PivotTable whose value is calculated on the OLAP server. For PivotTables that are created from OLAP cubes the summarized values are precalculated on the OLAP server before the SpreadsheetML application displays the results. These fields appear in the PivotTable [field](field.docx) list but cannot be changed from within the PivotTable. You cannot change the summary function used to calculate data fields or subtotals, or add calculated items.

Calculated [members](members.docx) are defined by the Multidimensional Expressions (MDX) expression in the [mdx](mdx.docx) attribute.

[Example:

<[calculatedMembers](calculatedMembers.docx) count="1">  
 <calculatedMember name="[Product].[Product Categories].[All   
 Products].[Calculated Member]" [mdx](mdx.docx)="'[Product].[Product Categories].[All   
 Products].[Accessories]'" memberName="Calculated Member"   
 hierarchy="[Product].[Product Categories]" parent="[Product].[Product   
 Categories].[All Products]"/>  
</[calculatedMembers](calculatedMembers.docx)>

end example]

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

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| hierarchy (Hierarchy Name) | Specifies the name of the hierarchy to which the calculated [member](member.docx) belongs.  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| [mdx](mdx.docx) (Calculated Member MDX Formula) | Specifies the MDX [formula](formula.docx) for the calculated member.  [Note: Data connectivity can use a number of different technologies. One example of potential values stored in this attribute can be found at: http://msdn2.microsoft.com/en-us/library/ms145595.aspx end note]  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| memberName (OLAP Calculated Member Name) | Specifies the OLAP [member](member.docx) name for the calculated member.  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| [name](name.docx) (Calculated Member Name) | Specifies the name of the calculated member.  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| parent (Parent Name) | Specifies the name of the parent of the calculated member.  The possible values for this attribute are defined by the [ST\_Xstring](ST_Xstring.docx) simple type (§). |
| [set](set.docx) (Set) | Specifies a boolean value that indicates whether this calculated [member](member.docx) describes a calculated set rather than a calculated member.  A value of on, 1, or true indicates this is a calculated set.  A value of off, 0, or false indicates this is a calculated member.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| solveOrder (Calculated Members Solve Order) | Specifies the order in which this calculated [member](member.docx) is calculated in relation to other calculated members.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) int datatype. |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_CalculatedMember">

<sequence minOccurs="0">

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

</sequence>

<attribute [name](name.docx)="[name](name.docx)" use="required" type="[ST\_Xstring](ST_Xstring.docx)"/>

<attribute [name](name.docx)="[mdx](mdx.docx)" use="required" type="[ST\_Xstring](ST_Xstring.docx)"/>

<attribute [name](name.docx)="memberName" type="[ST\_Xstring](ST_Xstring.docx)"/>

<attribute [name](name.docx)="hierarchy" type="[ST\_Xstring](ST_Xstring.docx)"/>

<attribute [name](name.docx)="parent" type="[ST\_Xstring](ST_Xstring.docx)"/>

<attribute [name](name.docx)="solveOrder" type="xsd:int" default="0"/>

<attribute [name](name.docx)="[set](set.docx)" type="xsd:boolean" default="false"/>

</complexType>