1 Namespace: "http://www.pharmml.org/2013/03/Maths"

1.1 Schema(s)

1.1.1 Main schema maths.xsd

Namespace	http://www.pharmml.org/2013/03/Maths

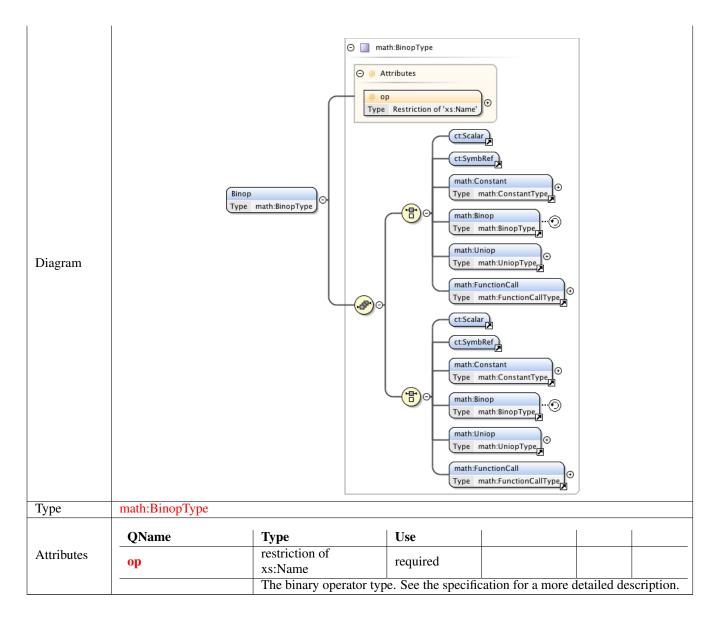
1.2 Element(s)

1.2.1 Element math: Constant

Namespace	http://www.pharmml.org	g/2013/03/Maths			
Annotations	A constant symbol.				
Diagram		Constant Type math:ConstantType	→ math:ConstantTy → @ Attributes @ op Type Restriction (
Type	math:ConstantType				
Attributes	QName op	Type restriction of xs:Name	Use required		
		The type of constant.			

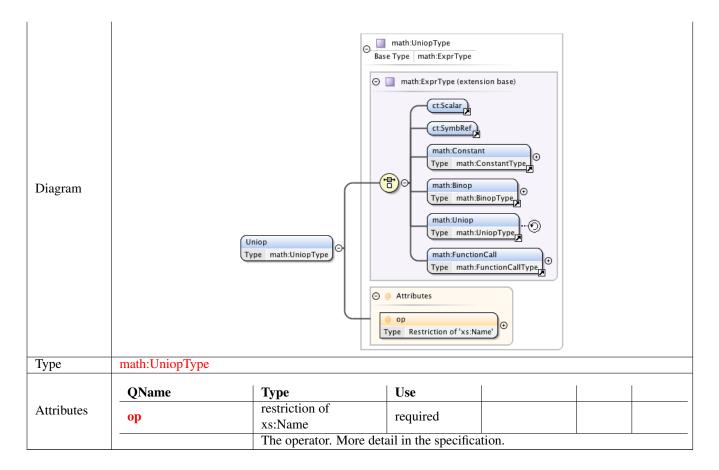
1.2.2 Element math: Binop

Annotations A binary operator.	Namespace	http://www.pharmml.org/2013/03/Maths
	Annotations	A binary operator.



1.2.3 Element math: Uniop

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	A unary operator.

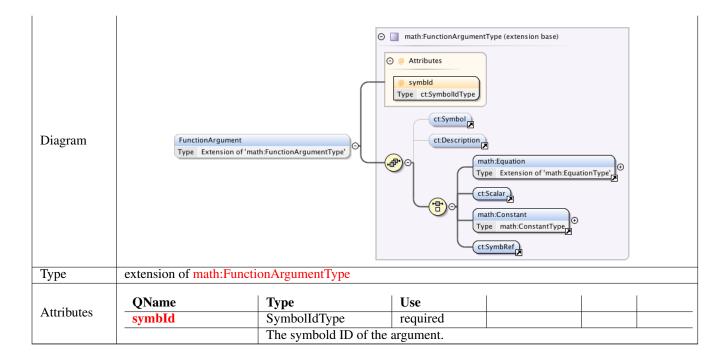


1.2.4 Element math: FunctionCall

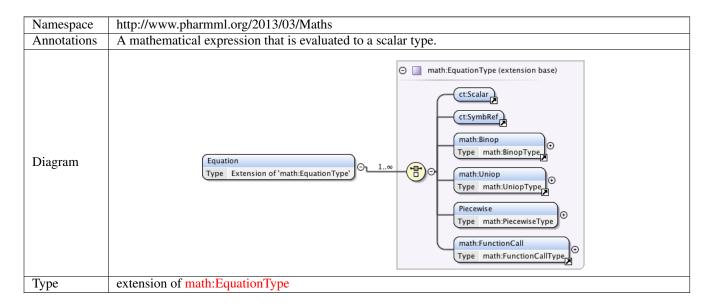
Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	A function call.
Diagram	FunctionCall Type math:FunctionCallType O FunctionArgument Type Extension of 'math:FunctionArgumentType' Type Extension of 'math:FunctionArgumentType'
Type	math:FunctionCallType

1.2.5 Element math:FunctionCallType /math:FunctionArgument

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	An argument of the function.



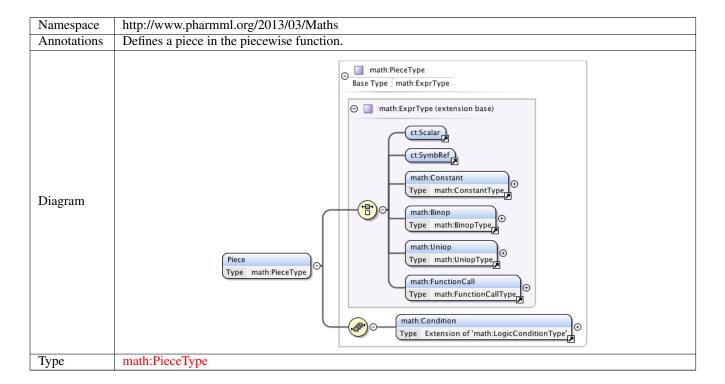
1.2.6 Element math: Equation



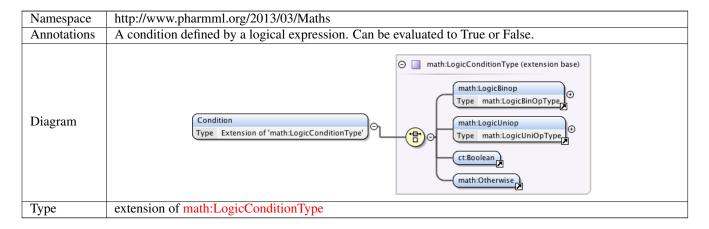
1.2.7 Element math: Equation Type /math: Piecewise

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	Defines a piecewise expression.
Diagram	Piecewise Type math:PiecewiseType □ 1∞ Piece Type math:PiecewiseType □ 1∞ Piece Type math:PieceType
Type	math:PiecewiseType

1.2.8 Element math:PiecewiseType /math:Piece

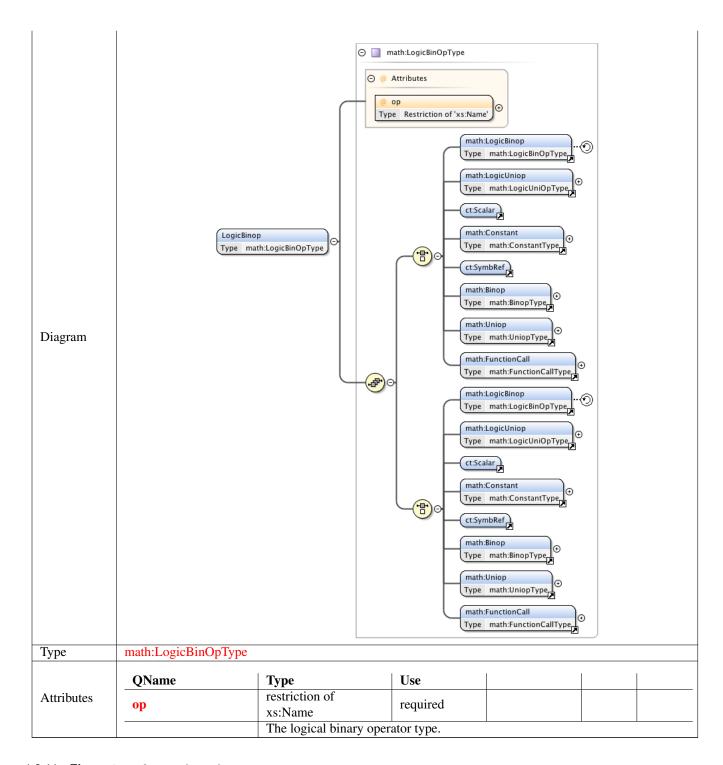


1.2.9 Element math: Condition



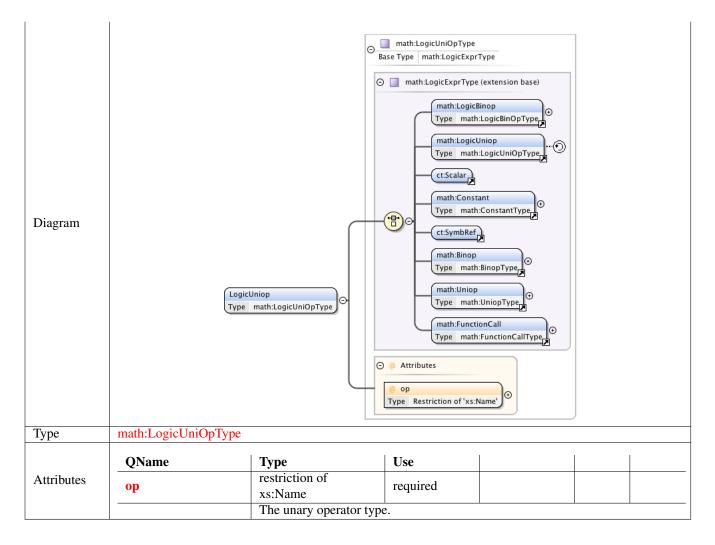
1.2.10 Element math: LogicBinop

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	A logical binary operator used in logical expressions.



1.2.11 Element math:LogicUniop

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	A logical unary operator used in logical expressions.



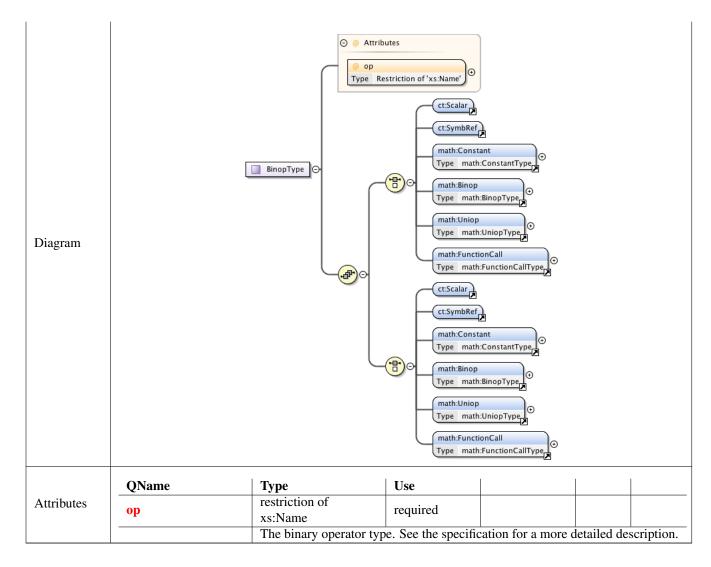
1.2.12 Element math: Otherwise

Namespace	http://www.pharmml.org/2013/03/Maths	
Annotations	The otherwise case in a piecewise function.	
Diagram	Otherwise	

1.3 Complex Type(s)

1.3.1 Complex Type math:BinopType

Namespace	http://www.pharmml.org/2013/03/Maths
Annotations	A binary operator describing a numerical operation. Takes two operands (as you would expect).

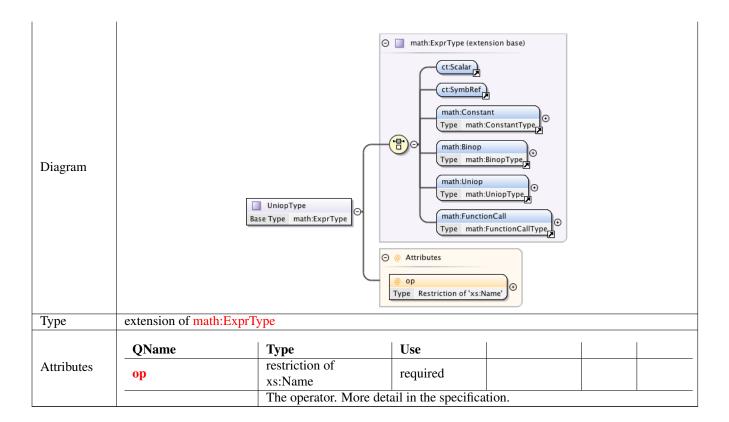


1.3.2 Complex Type math: ConstantType

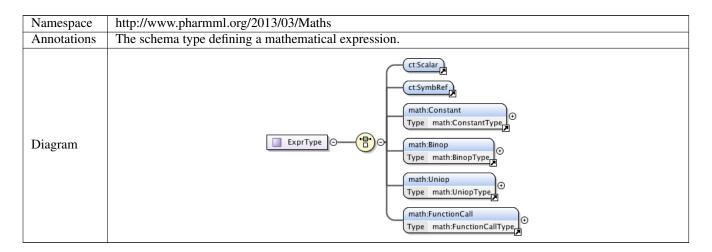
Namespace	http://www.pharn	nml.org/2013/03/Maths				
Annotations	Annotations The schema type defining a mathematical constant.					
Diagram		ConstantType C	@ Attributes @ op Type Restriction	of 'xs:Name'		
	QName	Type	Use			
Attributes	ор	restriction of xs:Name	required			
		The type of constar	nt.	'	•	

1.3.3 Complex Type math: UniopType

	http://www.pharmml.org/2013/03/Maths		
Annotations	The unary operator type. Takes one operator.		



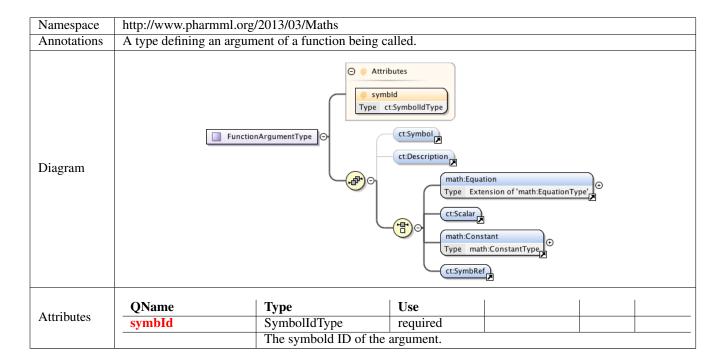
1.3.4 Complex Type math: ExprType



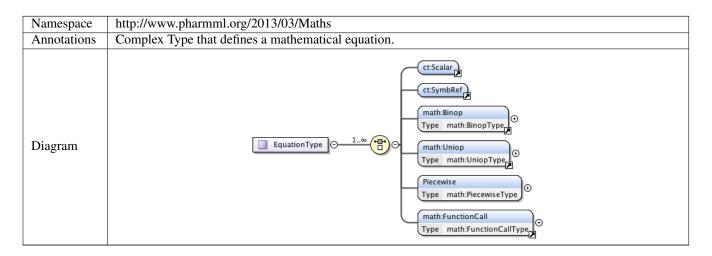
1.3.5 Complex Type math:FunctionCallType

Namespace	http://www.pharmml.org/2013/03/Maths		
Annotations	A type defining a function call.		
Diagram	FunctionCallType O FunctionArgument Type Extension of 'math:FunctionArgumentType' O FunctionArgument O Type Extension of 'math:FunctionArgumentType'		

1.3.6 Complex Type math:FunctionArgumentType



1.3.7 Complex Type math: EquationType

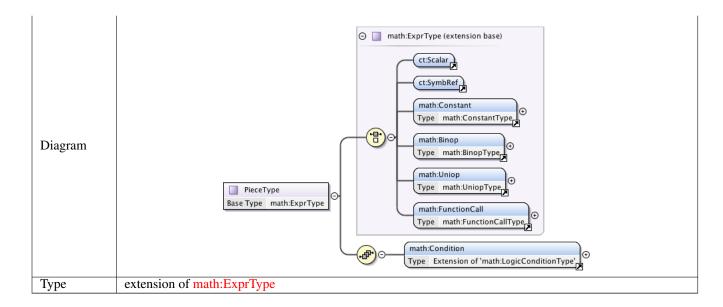


1.3.8 Complex Type math:PiecewiseType

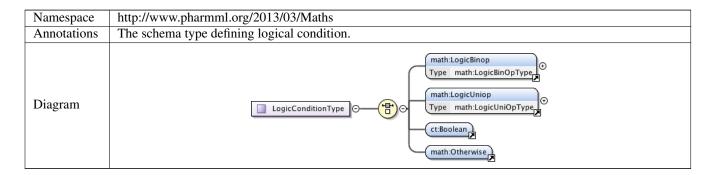
Namespace	http://www.pharmml.org/2013/03/Maths		
Annotations	The schema type defining a piecewise function.		
Diagram	PiecewiseType ○ 1∞ Piece Type math:PieceType ○		

1.3.9 Complex Type math:PieceType

Namespace	http://www.pharmml.org/2013/03/Maths	
Annotations	The schema type defining a `piece' in a piecewise function.	

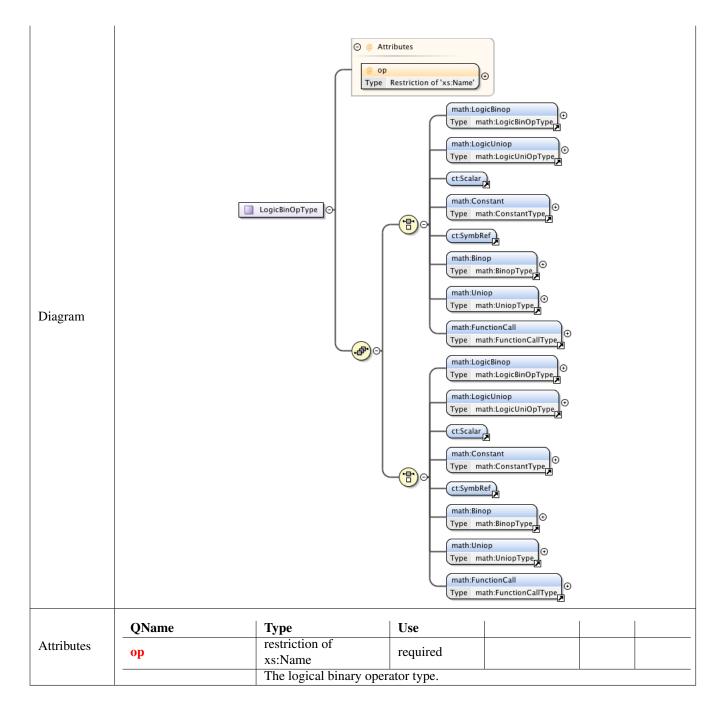


1.3.10 Complex Type math:LogicConditionType



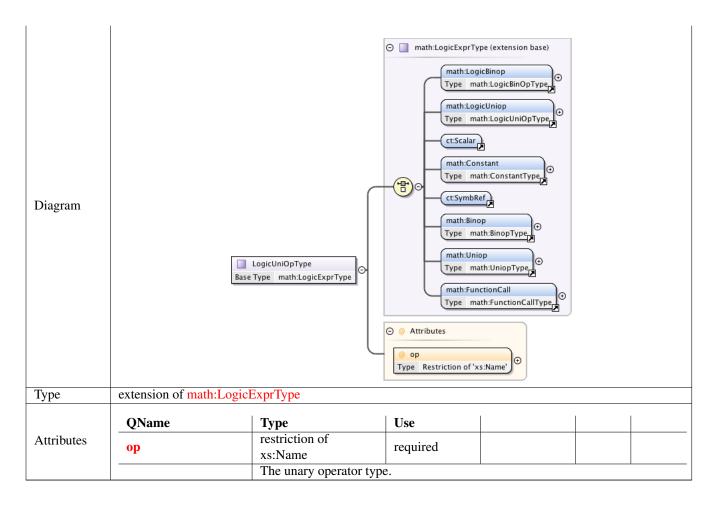
1.3.11 Complex Type math:LogicBinOpType

Namespace	http://www.pharmml.org/2013/03/Maths	
Annotations	The schema type defining a binary logical operator.	

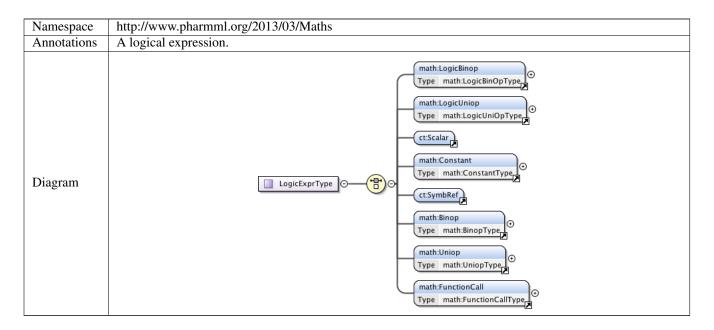


1.3.12 Complex Type math:LogicUniOpType

Namespace	http://www.pharmml.org/2013/03/Maths



1.3.13 Complex Type math:LogicExprType



2 Namespace: ""

2.1 Attribute(s)

2.1.1 Attribute math: ConstantType /@op

Namespace	No namespace		
Annotations	The type of constant.		
Туре	restriction of xs:Name		
	enumeration	notanumber	
Facets	enumeration	pi	
	enumeration	exponentiale	
	enumeration	infinity	

2.1.2 Attribute math:LogicUniOpType /@op

Namespace	No namespace		
Annotations	The unary operator type.		
Туре	restriction of xs:Name		
	.•		
Facets	enumeration	isDefined	
	enumeration	not	

2.1.3 Attribute math:LogicBinOpType /@op

Namespace	No namespace		
Annotations	The logical binary operator type.		
Туре	restriction of xs:Name		
Facets	enumeration enumeration enumeration enumeration enumeration enumeration enumeration	lt leq gt geq eq neq and	
	enumeration	or	
	enumeration	xor	

2.1.4 Attribute math:FunctionArgumentType /@symbId

Namespace	No namespace	
Annotations	The symbold ID of the argument.	
Type	SymbolIdType	

2.1.5 Attribute math: UniopType /@op

Namespace	No namespace	
Annotations	The operator. More detail in the specification.	
Type	restriction of xs:Name	

I		
	enumeration	exp
	enumeration	log
	enumeration	minus
	enumeration	factorial
	enumeration	sin
	enumeration	cos
	enumeration	tan
	enumeration	sec
	enumeration	CSC
	enumeration	cot
	enumeration	sinh
	enumeration	cosh
	enumeration	tanh
	enumeration	sech
	enumeration	csch
	enumeration	coth
Facets	enumeration	arcsin
	enumeration	arccos
	enumeration	arctan
	enumeration	arcsec
	enumeration	arccsc
	enumeration	arccot
	enumeration	arcsinh
	enumeration	arccosh
	enumeration	arctanh
	enumeration	arcsech
	enumeration	arccsch
	enumeration	arccoth
	enumeration	floor
	enumeration	abs
	enumeration	ceiling
	enumeration	logistic
	enumeration	logit
	enumeration	probit

2.1.6 Attribute math:BinopType /@op

Namespace	No namespace	
Annotations	The binary operator type. See the specification for a more detailed description.	
Type	restriction of xs:Name	
Facets	enumeration	plus
	enumeration	minus
	enumeration	times
	enumeration	divide
	enumeration	power
	enumeration	logx
	enumeration	root