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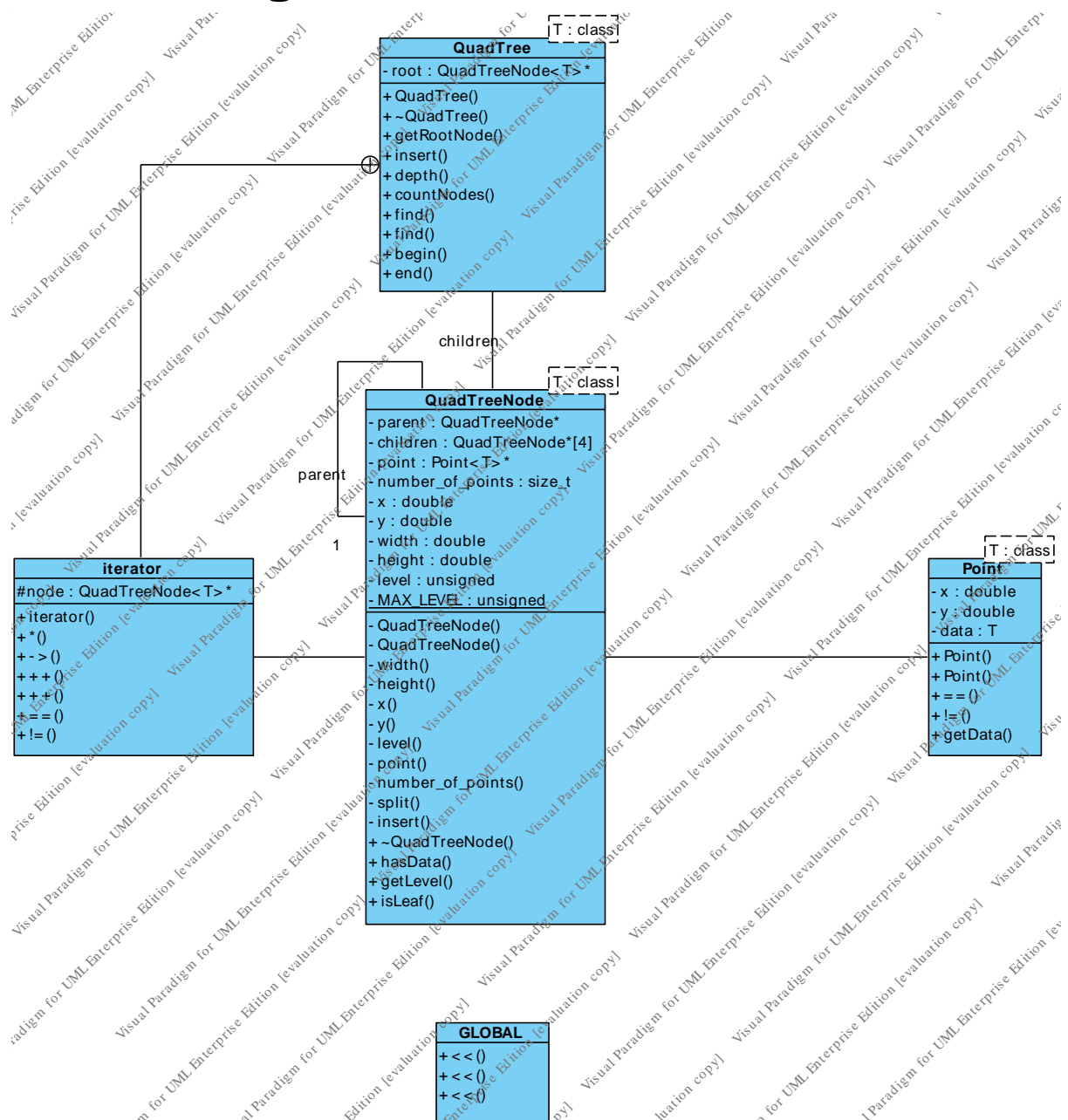
Name	Value
Author	tothandras
Create Date Time	May 10, 2013 12:03:41 PM
Last Modified	May 10, 2013 12:06:07 PM
Name	Class Diagram2

Summary

Name	Documentation

📄 QuadTree	QuadTree (n#©gy el#°gaz#°s## generikus fa) oszt#°ly. A n#©gy el#°gaz#°s## generikus fa QuadTreeNode-okb##l #©p#ºl fel.
📄 QuadTreeNode	QuadTreeNode (n#©gy el#°gaz#°s## generikus fa csom##pontja) oszt#°ly. A n#©gy el#°gaz#°s## generikus fa ilyen csom##pontokb##l #©p#ºl fel.
📄 iterator	Iter#°tor.
📄 Point	Point (pont) oszt#°ly. A n#©gy el#°gaz#°s## generikus f#°t ilyen pontokkal t##lthetj#ºk fel.
📄 GLOBAL	

Details

📑 QuadTree

Name	Value
Active	false
Business Model	false
Visibility	public
Leaf	false
Root	false
Documentation	QuadTree (n#©gy el#°gaz#°s## generikus fa) oszt#°ly. A n#©gy el#°gaz#°s## generikus fa QuadTreeNode-okb##l #©p#ºl fel.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Children

Name	Documentation
📄 iterator	Iter#°tor.

Attributes

private root : QuadTreeNode			
Documentation	Fa gy##ker#©re mutat## pointer.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Template Type Bind Info	N/A		
Type Modifier	*		
Type	📄 QuadTreeNode		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

Operations

public QuadTree (width : double, height : double)		
Parameters	**width**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	Default Value	100
	height	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	Default Value	100
Static	false	
Leaf	false	
Documentation	Konstruktor.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public ~QuadTree ()	
Static	false
Leaf	false
Documentation	Destruktor.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public getRootNode () : QuadTreeNode	
Static	false
Leaf	false
Documentation	- Gy##k#©rre mutat## pointer.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Template Type Bind Info	N/A
Type Modifier	*
Ordered	false
Unique	true
Query	false

public insert (data : Point) : void		
Parameters	**data**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type	Point
	Direction	inout
Static	false	
Leaf	false	
Documentation	#öj elem besz##r#°sa.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public depth () : unsigned	
Static	false
Leaf	false
Documentation	Fa m#©lys#©g#©nek visszaad#°sa. Fa m#©lys#©ge.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public countNodes () : unsigned	
Static	false
Leaf	false
Documentation	F#°ban l#©v#ë elemek megsz#°mol#°sa. Fa elemsz#°ma.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public find (point : Point) : Point

Parameters	point	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type	Point
	Direction	inout
Static	false	
Leaf	false	
Documentation	Adott pont megkeres#©se. Lehet#ës#©g van az adott pontban l#©v#ë adat megv#°ltoztat#°s#°ra. A keresett pont.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Template Type Bind Info	N/A	
Type Modifier	&	
Ordered	false	
Unique	true	
Query	false	

public find (data : T) : Point

Parameters	data	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	T
	Direction	inout
Static	false	
Leaf	false	
Documentation	Adott adatot t#°rol## pont megkeres#©se. Lehet#ës#©g van az adott pontban l#©v#ë adat megv#°ltoztat#°s#°ra. Az els#ë olyan pont, amely ezt az adatot tartalmazza.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Template Type Bind Info	N/A	
Type Modifier	&	
Ordered	false	
Unique	true	
Query	false	

public begin () : iterator

Static	false
Leaf	false

Documentation	- Legbaloldalibb lev#©l.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public end () : iterator	
Static	false
Leaf	false
Documentation	Az utols## elem ut#°n mutat.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

Relationships

Unnamed Association		
To	**Name**	**Value**
	End Model Element	📄 QuadTreeNode
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Template Parameters

T	
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Types	class

References

/QuadTree.hpp	
Description	Header
Type	File

▤ QuadTreeNode

Name	Value
Active	false
Business Model	false
Visibility	public
Leaf	false
Root	false
Documentation	QuadTreeNode (n#©gy el#°gaz#°s## generikus fa csom##pontja) oszt#°ly. A n#©gy el#°gaz#°s## generikus fa ilyen csom##pontokb##l #©p#ºl fel.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Attributes

private parent : QuadTreeNode			
Documentation	Sz#ºl#ë.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type Modifier	*		
Type	▤ QuadTreeNode		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private children : QuadTreeNode	
Documentation	N#©gy gyerek.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Type Modifier	*[4]

Type	QuadTreeNode		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private point : Point			
Documentation	Pont, melyben az adatot t#°rolhatjuk.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Template Type Bind Info	N/A		
Type Modifier	*		
Type	Point		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private number_of_points : size_t			
Documentation	Pontok sz#°ma.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	size_t		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private x : double			
Documentation	A ter#ºletre jellemz#ë adatok. (x ; y) pont a t#©glalap bal als## pontja.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		

Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private y : double			
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	🟢 double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private width : double			
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	🟢 double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private height : double			
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	🟢 double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private level : unsigned			
Documentation	Melyik szinten tal#°lhat## a f#°ban? A gy##k#©r van az 1. szinten.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	unsigned		
Getter	false	Setter	false

Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private MAX_LEVEL : unsigned			
Documentation	Milyen m#©lys#©gig n#ëhet a fa? Ezzel a statikus v#°ltoz##val lehet be#°ll##tani.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Initial Value	10		
Type	unsigned		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

Operations

private QuadTreeNode ()	
Static	false
Leaf	false
Documentation	Nincs param#©ter n#©lk#ºli konstruktora.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

private QuadTreeNode (width : double, height : double, x : double, y : double, level : unsigned, parent : QuadTreeNode)

Parameters	width	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	height	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	x	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	Default Value	0
	y	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	⬤ double
	Direction	inout
	Default Value	0
	level	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	unsigned
	Direction	inout
	Default Value	1
	parent	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	*
	Type	▤ QuadTreeNode
	Direction	inout
	Default Value	NULL

Static	false
Leaf	false
Documentation	QuadTree #©s QuadTreeNode hozhat csak l#©tre ##j csom##pontot. (Adat n#©lk#ºl).
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

private width (unnamed_1 : width)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	width
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private height (unnamed_1 : height)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	height
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private x (unnamed_1 : x)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	x
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private y (unnamed_1 : y)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	y
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private level (unnamed_1 : level)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	level
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private point (unnamed_1 : NULL)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	NULL
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private number_of_points (unnamed_1 : 0)		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	0
	Direction	inout
Static	false	
Leaf	false	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

private split () : void	
Static	false
Leaf	false
Documentation	Ter#ºlet felbont#°sa n#©gy egybev#°g## t#©glalapra.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

private insert (new_point : Point) : void		
Parameters	**new_point**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type	Point
	Direction	inout
Static	false	
Leaf	false	
Documentation	#öj pont / adat besz##r#°sa.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public ~QuadTreeNode ()

Static	false
Leaf	false
Documentation	Destruktor.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public hasData () : bool

Static	false
Leaf	false
Documentation	A csom##pont rendelkezik-e adattal?
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public getLevel () : unsigned

Static	false
Leaf	false
Documentation	Melyik szinten van?
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public isLeaf () : bool

Static	false
Leaf	false
Documentation	Csom##pontr##l eld##nti hogy lev#©l-e. Lev#©l?
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

Relationships

Unnamed Association		
To (parent)	**Name**	**Value**
	End Model Element	📄 QuadTreeNode
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Referenced Attribute	parent
	Multiplicity	1
	Visibility	private
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Unnamed Association		
To	**Name**	**Value**
	End Model Element	📄 Point
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Unnamed Association		
From	**Name**	**Value**
	End Model Element	📄 iterator
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Unnamed Association		
From	**Name**	**Value**
	End Model Element	📄 QuadTree
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Template Parameters

T	
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Types	class

References

/QuadTree.hpp	
Description	Header
Type	File

iterator

Name	Value
Active	false
Business Model	false
Visibility	public
Leaf	false
Root	false
Documentation	Iter#°tor.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Attributes

protected node : QuadTreeNode			
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Template Type Bind Info	N/A		
Type Modifier	*		
Type	QuadTreeNode		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

Operations

public iterator (node : QuadTreeNode)

Parameters	node	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type Modifier	*
	Type	▤ QuadTreeNode
	Direction	inout
	Default Value	NULL
Static	false	
Leaf	false	
Documentation	Konstruktor.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public * () : QuadTreeNode	
Static	false
Leaf	false
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Template Type Bind Info	N/A
Type Modifier	&
Ordered	false
Unique	true
Query	false

public -> () : QuadTreeNode	
Static	false
Leaf	false
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Template Type Bind Info	N/A
Type Modifier	*
Ordered	false
Unique	true
Query	false

public ++ () : iterator	
Static	false

Leaf	false
Documentation	Prefix operator++. Prefix inkrement. K##vetkez#ë elem.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Type Modifier	&
Ordered	false
Unique	true
Query	false

public ++ (unnamed_1 : int) : iterator		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	🟢 int
	Direction	inout
Static	false	
Leaf	false	
Documentation	Postfix operator++.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public == (iter : iterator) : bool		
Parameters	**iter**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	📄 iterator
	Direction	inout
	Java Detail	N/A
Static	false	
Leaf	false	
Documentation	Egyenl#ës#©g oper#°tor. Igaz, ha megegyezik az csom##pont.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	

Query	false

public != (iter : iterator) : bool		
Parameters	**iter**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	📄 iterator
	Direction	inout
	Java Detail	N/A
Static	false	
Leaf	false	
Documentation	Igaz, ha nem egyezik meg a csom##pont.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

Relationships

Unnamed Association		
To	**Name**	**Value**
	End Model Element	📄 QuadTreeNode
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

References

/QuadTree.hpp	
Description	Header
Type	File

Point

Name	Value
Active	false
Business Model	false
Visibility	public
Leaf	false
Root	false
Documentation	Point (pont) oszt#°ly. A n#©gy el#°gaz#°s## generikus f#°t ilyen pontokkal t##lthetj#ºk fel.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Attributes

private x : double			
Documentation	Az adat helye.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	🟢 double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private y : double			
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	🟢 double		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

private data : T

Documentation	Az adat.		
Author	tothandras		
Create Date Time	May 10, 2013 12:03:32 PM		
Type	T		
Getter	false	Setter	false
Has Setter	false		
Has Getter	false		
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		

Operations

public Point ()	
Static	false
Leaf	false
Documentation	Default konstruktor.
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public Point (data : T, x : double, y : double)

Parameters	data	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	T
	Direction	inout
	x	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	🟢 double
	Direction	inout
	Default Value	0
	y	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type	🟢 double
	Direction	inout
	Default Value	0
Static	false	
Leaf	false	
Documentation	Konstruktor adattal.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public == (point : Point) : bool		
Parameters	point	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	📄 Point
	Direction	inout
Static	false	
Leaf	false	
Documentation	operator==, k#©t pont egyenl#ës#©ge vizsg#°lhat##. Igaz, ha a k#©t pont minden adata megegyezik.	

Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Ordered	false
Unique	true
Query	false

public != (point : Point) : bool		
Parameters	**point**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	Point
	Direction	inout
Static	false	
Leaf	false	
Documentation	operator!=, k#©t pont egyenl#ës#©ge vizsg#°lhat##. Igaz, ha a k#©t pont valamelyik adata nem egyezik meg.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Ordered	false	
Unique	true	
Query	false	

public getData () : T	
Static	false
Leaf	false
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Type Modifier	&
Ordered	false
Unique	true
Query	false

Relationships

Unnamed Association		
From	**Name**	**Value**
	End Model Element	📄 QuadTreeNode
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Provide Property Getter Method	false
	Provide Property Setter Method	false
	Multiplicity	Unspecified
	Visibility	Unspecified
	Aggregation Kind	None
	Navigable	true
	Derived	false
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Derived	false	

Template Parameters

T	
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM
Types	class

References

/QuadTree.hpp	
Description	Header
Type	File

▤ GLOBAL

Name	Value
Active	false
Business Model	false
Visibility	public
Leaf	false
Root	false
Author	tothandras
Create Date Time	May 10, 2013 12:03:32 PM

Operations

public << (unnamed_1 : std.ostream, unnamed_2 : Point) : std.ostream		
Parameters	**unnamed_1**	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	std.ostream
	Direction	inout
	unnamed_2	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type Modifier	&
	Type	▤ Point
	Direction	inout
	Java Detail	N/A
Static	false	
Leaf	false	
Documentation	Point (pont) ki##r#°sa "(x;y): adat" alakban.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Type Modifier	&	
Ordered	false	
Unique	true	
Query	false	

public << (unnamed_1 : std.ostream, unnamed_2 : QuadTree) : std.ostream

Parameters	unnamed_1	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	std.ostream
	Direction	inout
	unnamed_2	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type Modifier	&
	Type	📄 QuadTree
	Direction	inout
	Java Detail	N/A
Static	false	
Leaf	false	
Documentation	Fa ki##r#°sa iter#°tor haszn#°lat#°val.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Type Modifier	&	
Ordered	false	
Unique	true	
Query	false	

public << (unnamed_1 : std.ostream, unnamed_2 : QuadTreeNode) : std.ostream

Parameters	unnamed_1	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Type Modifier	&
	Type	std.ostream
	Direction	inout
	unnamed_2	
	Multiplicity	Unspecified
	Author	tothandras
	Create Date Time	May 10, 2013 12:03:32 PM
	Template Type Bind Info	N/A
	Type Modifier	&
	Type	QuadTreeNode
	Direction	inout
	Java Detail	N/A
Static	false	
Leaf	false	
Documentation	Csom##pont ki##r#°sa.	
Author	tothandras	
Create Date Time	May 10, 2013 12:03:32 PM	
Type Modifier	&	
Ordered	false	
Unique	true	
Query	false	