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Contents

1.1 activemq-all 5.2.0

1.1.1 Available under license

1.2 Amazon AWS Java SDK 1.1.1

1.2.1 Available under license

1.3 ant 1.9.3 :2build1

1.3.1 Available under license

1.4 aopalliance version 1.0 repackaged as a module 2.3.0-b10

1.4.1 Available under license

1.5 Apache Axis 1.4

1.5.1 Available under license

1.6 Apache Commons Configuration 1.6

1.6.1 Available under license

1.7 Apache Commons IO 2.0.1

1.7.1 Available under license

1.8 Apache Commons Validator 1.2.0

1.8.1 Available under license

1.9 Apache WebServices Common Utilities 1.0.2

1.9.1 Available under license

1.10 Apache XML-RPC Client Library 3.1.2

1.10.1 Available under license

1.11 Apache XML-RPC Common Library 3.1.2

1.11.1 Available under license

1.12 apache-log4j 1.2.15

1.12.1 Available under license

1.13 asm 5.0.4

1.13.1 Available under license

1.14 Axis2/Java 1.5.1

1.14.1 Available under license

1.15 bcprov-jdk15on 1.51

1.15.1 Available under license

1.16 Birdeye 1.0

1.16.1 Available under license

1.17 BlazeDS 4.0.0.14931

1.17.1 Available under license

1.18 bonecp 0.7.1

1.18.1 Available under license

1.19 Bouncy Castle 1.5

1.19.1 Available under license

1.20 bouncy castle provider 1.45

1.20.1 Available under license

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1.23 ClassMate 0.8.0

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1.24 com.springsource.org.apache.commons.cli 1.2.0

1.24.1 Available under license

1.25 commons compress 1.9

1.25.1 Available under license

1.26 Commons Lang 2.5

1.26.1 Available under license

1.27 Commons Logging 1.1.1

1.27.1 Available under license

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1.28.1 Available under license

1.29 commons-codec 1.9

1.29.1 Available under license

1.30 commons-lang-3.3.1.jar 3.3.1

1.30.1 Available under license

1.31 commons-pool 1.3.0

1.31.1 Available under license

1.32 datanucleus-api-jdo 4.1.0

1.32.1 Available under license

1.33 datanucleus-cache 4.0.4

1.33.1 Available under license

1.34 datanucleus-core 4.1.0.1

1.34.1 Available under license

1.35 datanucleus-core 4.1.0

1.35.1 Available under license

1.36 datanucleus-rdbms 4.1.0

1.36.1 Available under license

1.37 Degrafa 3.2 Beta

1.37.1 Available under license

1.38 dom4j 1.6.1

1.38.1 Available under license

1.39 Ehcache Core 2.6.6

1.39.1 Available under license

1.40 FileSaver.js 1.0

1.40.1 Available under license

1.41 FlexLib 2.4

1.41.1 Available under license

- 1.42 google-gson 1.6**
 - 1.42.1 Available under license
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 - 1.43.1 Available under license
- 1.44 hibernate-validator 5.1.3**
 - 1.44.1 Available under license
- 1.45 HttpClient 4.1.3**
 - 1.45.1 Available under license
- 1.46 HttpClient 4.4.1**
 - 1.46.1 Available under license
- 1.47 HttpCore 4.3.2**
 - 1.47.1 Available under license
- 1.48 HttpCore 4.1.4**
 - 1.48.1 Available under license
- 1.49 httpmime 4.2.1**
 - 1.49.1 Available under license
- 1.50 httpmime 4.1.3**
 - 1.50.1 Available under license
- 1.51 ipxe 20160127 :5.git6366fa7a.el7**
 - 1.51.1 Available under license
- 1.52 jackson-all 1.9.5**
 - 1.52.1 Available under license
- 1.53 jackson-annotations 2.8.0**
 - 1.53.1 Available under license
- 1.54 jackson-core 2.8.0**
 - 1.54.1 Available under license
- 1.55 jackson-databind 2.8.0**
 - 1.55.1 Available under license
- 1.56 jackson-module-jaxb-annotations 2.8.0**
 - 1.56.1 Available under license
- 1.57 JADE 4.4**
 - 1.57.1 Available under license
- 1.58 Java Assist 3.13.0 :GA**
 - 1.58.1 Available under license
- 1.59 javax.annotation-api 1.2**
 - 1.59.1 Available under license
- 1.60 javax.el 3.0.1-b08**
 - 1.60.1 Available under license
- 1.61 javax.inject:1 as OSGi bundle 2.3.0-b10**

- 1.61.1 Available under license
- 1.62 javax.ws.rs-api 2.0.1**
 - 1.62.1 Available under license
- 1.63 jaxen 1.1-beta-6**
 - 1.63.1 Available under license
- 1.64 jboss-logging 3.3.0 3.3.0.Final**
 - 1.64.1 Available under license
- 1.65 jclouds-blobstore 1.0-beta-7**
 - 1.65.1 Available under license
- 1.66 JCommander 1.48**
 - 1.66.1 Available under license
- 1.67 JFreeChart 1.0.13**
 - 1.67.1 Available under license
- 1.68 jna 4.1.0**
 - 1.68.1 Available under license
- 1.69 jna-platform 4.1.0**
 - 1.69.1 Available under license
- 1.70 joda-time 1.6**
 - 1.70.1 Available under license
- 1.71 jruby-complete 1.7.9**
 - 1.71.1 Available under license
- 1.72 jruby-jars 1.7.9**
 - 1.72.1 Available under license
- 1.73 JSch 0.1.45**
 - 1.73.1 Available under license
- 1.74 jsoup 1.7.3**
 - 1.74.1 Available under license
- 1.75 JXL 2.6.10**
 - 1.75.1 Available under license
- 1.76 libvirt-java 0.5.1**
 - 1.76.1 Available under license
- 1.77 local_policy.jar 1.3.1**
 - 1.77.1 Available under license
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 - 1.78.1 Available under license
- 1.79 MySQL Connector/J 5.1.13**
 - 1.79.1 Available under license
- 1.80 noVNC 0.4**
 - 1.80.1 Available under license

1.81 noVNC_images 0.4

1.81.1 Available under license

1.82 noVNC_websockify 0.4

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1.83 quartz 2.1.7

1.83.1 Available under license

1.84 rhino 1.7R4 :4.e17

1.84.1 Available under license

1.85 slf4j 1.7.6

1.85.1 Available under license

1.86 SWFAddress 2.4

1.86.1 Available under license

1.87 syslog4j 0.9.43

1.87.1 Available under license

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1.89 thrift-libthrift 0.9.1

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-- activemq-web

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2001-12-12

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1.13 asm 5.0.4

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1.17 BlazeDS 4.0.0.14931

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1.18 bonecp 0.7.1

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Version 3, 29 June 2007

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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Clive Cox - memcache implementation

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1.36 datanucleus-rdbms 4.1.0

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1.37 Degrafa 3.2 Beta

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```

```
//
```

```
////////////////////////////////////
```

```
package com.degrafa.geometry
```

```
{
```

```
import com.degrafa.IGeometry;
import com.degrafa.geometry.utilities.GeometryUtils;
import com.degrafa.utilities.math.SimpleRoot;
```

```
import flash.display.Graphics;
import flash.geom.Rectangle;
import flash.geom.Point;
import com.degrafa.utilities.math.SimpleRoot;
import com.degrafa.utilities.math.Solve2x2;
```

```
//-----
```

```
// Other metadata
```

```
//-----
```

```
[IconFile("CubicBezier.png")]
```

```
[Bindable]
```

```
/**
```

```
* The AdvancedCubicBezier element draws a cubic BÃ©zier using the specified start point,
* end point and 2 control points. and contains several additional methods
* that are useful in advanced applications.
```

```
*
```

```
*
```

```
**/
```

```
public class AdvancedCubicBezier extends CubicBezier
```

```
{
```

```
    // bezier polynomial coefficients
```

```
    private var _c0X:Number;
```

```
    private var _c0Y:Number;
```

```
    private var _c1X:Number;
```

```
    private var _c1Y:Number;
```

```
    private var _c2X:Number;
```

```
    private var _c2Y:Number;
```

```
    private var _c3X:Number;
```

```
    private var _c3Y:Number;
```

```
    // limit on interval width before interval is considered completely bisected
```

```
    private var _bisectLimit:Number;
```

```
    // bisection interval bounds
```

```

private var _left:Number;
private var _right:Number;
private var _twbrf:SimpleRoot;

// stationary points of x(t) and y(t)
private var _t1X:Number;
private var _t1Y:Number;
private var _t2X:Number;
private var _t2Y:Number;

// specialized 2x2 solver using Cramer's rule
private var _solver:Solve2x2;

/**
 * Constructor.
 *
 * <p>The advanced cubic Bezier constructor accepts 8 optional arguments that define it's
 * start, end and controls points.</p>
 *
 * @param x0 A number indicating the starting x-axis coordinate.
 * @param y0 A number indicating the starting y-axis coordinate.
 * @param cx A number indicating the first control x-axis coordinate.
 * @param cy A number indicating the first control y-axis coordinate.
 * @param cx1 A number indicating the second control x-axis coordinate.
 * @param cy1 A number indicating the second control y-axis coordinate.
 * @param x1 A number indicating the ending x-axis coordinate.
 * @param y1 A number indicating the ending y-axis coordinate.
 */
public function
AdvancedCubicBezier(x0:Number=NaN,y0:Number=NaN,cx:Number=NaN,cy:Number=NaN,cx1:Number=NaN,c
y1:Number=NaN,x1:Number=NaN,y1:Number=NaN)
{
    super();

    this.x0 = x0;
    this.y0 = y0;
    this.cx = cx;
    this.cy = cy;
    this.x1 = x1;
    this.y1 = y1;

    _bisectLimit = 0.05;
    _left = 0;
    _right = 1;
    _t1X = 0;
    _t1Y = 0;
    _t2X = 0;
    _t2Y = 0;

```

```

// Jack Crenshaw's TWBRF and 2x2 solver, both instantiated on demand
_twbrf = null;
_solver = null;
}

/**
 * @inheritDoc
 */
override public function preDraw():void
{
    if( invalidated )
    {

        commandStack.length=0;

        // add a MoveTo at the start of the commandStack rendering chain
        commandStack.addMoveTo(x0,y0);

        commandStack.addCubicBezierTo(x0,y0,cx,cy,cx1,cy1,x1,y1,1);

        if( close )
        {
            commandStack.addLineTo(x0,y0);
        }

        getBezierCoef();
        invalidated = false;
    }
}

override public function pointAt(_t:Number):Point
{
    var t:Number = _t < 0 ? 0 : _t;
    t = t > 1 ? 1 : t;

    return new Point( _c0X + t*( _c1X + t*( _c2X + t*_c3X)), _c0Y + t*( _c1Y + t*( _c2Y + t*_c3Y) );
}

/**
 * interpolate
 *
 * <p>Compute control points so that quadratic Bezier passes through three points at the specified parameter value.
 *
 * @param _points:Array - array of three <code>Point</code> references, representing the coordinates of the
interpolation points.
 *

```

```

* @return Array the parameter values in [0,1] at which the Bezier curve passes through the second and third
interpolation points (determined by a chord-length parameterization).
* A negative value is returned if less than three interpolation points are provided.
*
*/
public function interpolate(points:Array):Array
{
    // compute t-value using chord-length parameterization
    if( points.length < 4 )
    {
        return [-1];
    }

    // no error-checking ... you break it, you buy it.
    var p0:Point = points[0];
    var p1:Point = points[1];
    var p2:Point = points[2];
    var p3:Point = points[3];

    x0 = p0.x;
    y0 = p0.y;
    x1 = p3.x;
    y1 = p3.y;

    // currently, this method auto-parameterizes the curve using chord-length parameterization. A future version
    might allow inputting the two t-values, but this is more
    // user-friendly (what an over-used term :)
    var deltaX:Number = p1.x - p0.x;
    var deltaY:Number = p1.y - p0.y;
    var d1:Number = Math.sqrt(deltaX*deltaX + deltaY*deltaY);

    deltaX = p2.x - p1.x;
    deltaY = p2.y - p1.y;
    var d2:Number = Math.sqrt(deltaX*deltaX + deltaY*deltaY);

    deltaX = p3.x - p2.x;
    deltaY = p3.y - p2.y;
    var d3:Number = Math.sqrt(deltaX*deltaX + deltaY*deltaY);

    var d:Number = d1 + d2 + d3;
    var t1:Number = d1/d;
    var t2:Number = (d1+d2)/d;

    // there are four unknowns (x- and y-coords for P1 and P2), which are solved as two separate sets of two
    equations in two unknowns
    var t12:Number = t1*t1;
    var t13:Number = t1*t12;

```



```

var t2:Number = t2*t2;
var t3:Number = t2*t2;

// x-coordinates of P1 and P2 (t = t1 and t2) - exercise: eliminate redundant computations in these equations
var a11:Number = 3*t13 - 6*t12 + 3*t1;
var a12:Number = -3*t13 + 3*t12;
var a21:Number = 3*t23 - 6*t22 + 3*t2;
var a22:Number = -3*t23 + 3*t22;

var b1:Number = -t13*x1 + x0*(t13 - 3*t12 + 3*t1 - 1) + p1.x;
var b2:Number = -t23*x1 + x0*(t23 - 3*t22 + 3*t2 - 1) + p2.x;

if( _solver == null )
{
    _solver = new Solve2x2();
}

// beware nearly or exactly coincident interior interpolation points
var p:Point = _solver.solve(a11, a12, a21, a22, b1, b2);
if( _solver.determinant < 0.000001 )
{
    // degenerates to a parabolic interpolation
    var t1m1:Number = 1.0-t1;
    var tSq:Number = t1*t1;
    var denom:Number = 2.0*t1*t1m1;

    // to do - handle case where this degenerates into all overlapping points (i.e. denom is numerically zero)
    cx = (p1.x - t1m1*t1m1*x0 - tSq*p2.x)/denom;
    cy = (p1.y - t1m1*t1m1*y0 - tSq*p2.y)/denom;

    cx1 = cx;
    cy1 = cy;

    getBezierCoef();

    return [t1, t1];
}
else
{
    cx = p.x
    cx1 = p.y;
}

// y-coordinates of P1 and P2 (t = t1 and t2)
b1 = -t13*y1 + y0*(t13 - 3*t12 + 3*t1 - 1) + p1.y;
b2 = -t23*y1 + y0*(t23 - 3*t22 + 3*t2 - 1) + p2.y;

// resolving with same coefficients, but new RHS

```

```

    p = _solver.solve(a11, a12, a21, a22, b1, b2, 0.00001, true);
    cy = p.x
    cy1 = p.y;

    getBezierCoef();

    return [t1, t2];
}

/**
 * tAtMinX
 *
 * <p>Find t-parameter at which the x-coordinate is a minimum.</p>
 *
 * @return Number Parameter value in [0,1] at which the cubic Bezier curve's x-coordinate is a minimum
 *
 * @since 1.0
 */
public function tAtMinX():Number
{
    getStationaryPoints();

    var t:Number = 0;
    var minX:Number = x0;

    if( x1 < minX )
    {
        t = 1;
        minX = x1;
    }

    if( _t1X > 0 && _t1X < 1 )
    {
        var myX:Number = pointAt(_t1X).x;
        if( myX < minX )
        {
            t = _t1X;
            minX = myX;
        }
    }

    if( _t2X > 0 && _t2X < 1 )
    {
        if( pointAt(_t2X).x < minX )
        {
            t = _t2X;
        }
    }
}

```

```

    }

    return t;
}

/**
 * tAtMaxX
 *
 * <p>Find t-parameter at which the x-coordinate is a maximum.</p>
 *
 * @return Number Parameter value in [0,1] at which the cubic Bezier curve's x-coordinate is a maximum.
 *
 */
public function tAtMaxX():Number
{
    getStationaryPoints();

    var t:Number = 0;
    var maxX:Number = x0;

    if( x1 > maxX )
    {
        t = 1;
        maxX = x1;
    }

    if( _t1X > 0 && _t1X < 1 )
    {
        var myX:Number = pointAt(_t1X).x;
        if( myX > maxX )
        {
            t = _t1X;
            maxX = myX;
        }
    }

    if( _t2X > 0 && _t2X < 1 )
    {
        if( pointAt(_t2X).x > maxX )
        {
            t = _t2X;
        }
    }

    return t;
}

/**

```

```

* tAtMinY
*
* <p>Find t-parameter at which the y-coordinate is a minimum.</p>
*
* @return Number - Parameter value in [0,1] at which the cubic Bezier curve's y-coordinate is a minimum.
*
*/
public function tAtMinY():Number
{
    getStationaryPoints(false);

    var t:Number = 0;
    var minY:Number = y0;

    if( y1 < minY )
    {
        t = 1;
        minY = y1;
    }

    if( _t1Y > 0 && _t1Y < 1 )
    {
        var myY:Number = pointAt(_t1Y).y;
        if( myY < minY )
        {
            t = _t1Y;
            minY = myY;
        }
    }

    if( _t2Y > 0 && _t2Y < 1 )
    {
        if( pointAt(_t2Y).y < minY )
        {
            t = _t2Y;
        }
    }

    return t;
}

/**
* tAtMaxY
*
* <p>Find t-parameter at which the y-coordinate is a maximum.</p>
*
* @return Number Parameter value in [0,1] at which the cubic Bezier curve's y-coordinate is a maximum.
*

```

```

*/
public function tAtMaxY():Number
{
    getStationaryPoints(false);

    var t:Number = 0;
    var maxY:Number = y0;

    if( y1 > maxY )
    {
        t = 1;
        maxY = y1;
    }

    if( _t1Y > 0 && _t1Y < 1 )
    {
        var myY:Number = pointAt(_t1Y).y;
        if( myY > maxY )
        {
            t = _t1Y;
            maxY = myY;
        }
    }

    if( _t2Y > 0 && _t2Y < 1 )
    {
        if( pointAt(_t2Y).y > maxY )
        {
            t = _t2Y;
        }
    }

    return t;
}

/**
 * yAtX
 *
 * <p>Return the set of y-coordinates corresponding to the input x-coordinate.</p>
 *
 * @param _x:Number x-coordinate at which the desired y-coordinates are desired
 *
 * @return Array set of (t,y)-coordinates at the input x-coordinate provided that the x-coordinate is inside the range
 * covered by the quadratic Bezier in [0,1]; that is there must exist t in [0,1] such that Bx(t) = _x. If the input
 * x-coordinate is not inside the range covered by the Bezier curve, the returned array is empty. Otherwise, the
 * array contains either one, two, or three y-coordinates. There are issues with curves that are exactly or nearly (for
 * numerical purposes) vertical in which there could theoretically be an infinite number of y-coordinates for a single
 * x-coordinate. This method does not work in such cases, although compensation might be added in the future.

```

```

*
* <p>Each array element is a reference to an <code>Object</code> whose 't' parameter represents the Bezier t
parameter. The
* <code>Object</code> 'y' property is the corresponding y-value. The returned (t,y) coordinates may be used by the
caller
* to determine which of the (up to three) returned y-coordinates might be preferred over the others.</p>
*
*/
public function yAtX(_x:Number):Array
{
    if( isNaN(_x) )
    {
        return [];
    }

    // check bounds
    var xMax:Number = pointAt(tAtMaxX()).x;
    var xMin:Number = pointAt(tAtMinX()).x;

    if( _x < xMin || _x > xMax )
    {
        return [];
    }

    // the necessary y-coordinates are the intersection of the curve with the line x = _x. The curve is generated in the
    // form  $c_0 + c_1*t + c_2*t^2 + c_3*t^3$ , so the intersection satisfies the equation
    //  $B_x(t) = _x$  or  $B_x(t) - _x = 0$ , or  $c_0x - _x + c_1x*t + c_2x*t^2 + c_3x*t^3 = 0$ .

    getBezierCoef();

    // Find one root - any root - then factor out (t-r) to get a quadratic poly. for the remaining roots
    var f:Function = function(_t:Number):Number { return _t*(_c1X + _t*(_c2X + _t*(_c3X))) + _c0X - _x; }

    if( !_twbrf == null )
        _twbrf = new SimpleRoot();

    // some curves that loop around on themselves may require bisection
    _left    = 0;
    _right   = 1;
    __bisect(f, 0, 1);

    // experiment with tolerance - but not too tight :)
    var t0:Number = _twbrf.findRoot(_left, _right, f, 50, 0.000001);
    var eval:Number = Math.abs(f(t0));
    if( eval > 0.00001 )
        return []; // compensate in case method quits due to error (no event listener here)

    var result:Array = new Array();

```

```

if( t0 <= 1 )
    result.push({t:t0, y:pointAt(t0).y});

// Factor theorem: t-r is a factor of the cubic polynomial if r is a root. Use this to reduce to a quadratic poly.
// using synthetic division
var a:Number = _c3X;
var b:Number = t0*a+_c2X;
var c:Number = t0*b+_c1X;

// process the quadratic for the remaining two possible roots
var d:Number = b*b - 4*a*c;
if( d < 0 )
{
    return result;
}

d      = Math.sqrt(d);
a      = 1/(a + a);
var t1:Number = (d-b)*a;
var t2:Number = (-b-d)*a;

if( t1 >= 0 && t1 <=1 )
    result.push( {t:t1, y:pointAt(t1).y} );

if( t2 >= 0 && t2 <=1 )
    result.push( {t:t2, y:pointAt(t2).y} );

return result;
}

/**
 * xAtY
 *
 * <p>Return the set of x-coordinates corresponding to the input y-coordinate.</p>
 *
 * @param _y:Number y-coordinate at which the desired x-coordinates are desired
 *
 * @return Array set of (t,x)-coordinates at the input y-coordinate provided that the y-coordinate is inside the range
 * covered by the quadratic Bezier in [0,1]; that is there must exist t in [0,1] such that By(t) = _y. If the input
 * y-coordinate is not inside the range covered by the Bezier curve, the returned array is empty. Otherwise, the
 * array contains either one, two, or three x-coordinates. There are issues with curves that are exactly or nearly (for
 * numerical purposes) horizontal in which there could theoretically be an infinite number of x-coordinates for a
 * single
 * y-coordinate. This method does not work in such cases, although compensation might be added in the future.
 *
 * <p>Each array element is a reference to an <code>Object</code> whose 't' parameter represents the Bezier t
 * parameter. The
 * <code>Object</code> 'x' property is the corresponding x-coordinate. The returned (t,x) coordinates may be used

```

by the caller

* to determine which of the (up to three) returned x-coordinates might be preferred over the others.</p>

*

*/

```
public function xAtY(_y:Number):Array
```

```
{
```

```
  if( isNaN(_y) )
```

```
  {
```

```
    return [];
```

```
  }
```

```
  // check bounds
```

```
  var yMax:Number = pointAt(tAtMaxY()).y;
```

```
  var yMin:Number = pointAt(tAtMinY()).y;
```

```
  if( _y < yMin || _y > yMax )
```

```
  {
```

```
    return [];
```

```
  }
```

```
  // the necessary y-coordinates are the intersection of the curve with the line y = _y. The curve is generated in the
```

```
  // form  $c_0 + c_1*t + c_2*t^2 + c_3*t^3$ , so the intersection satisfies the equation
```

```
  //  $By(t) = _y$  or  $By(t) - _y = 0$ , or  $c_0y - _y + c_1y*t + c_2y*t^2 + c_3y*t^3 = 0$ .
```

```
  getBezierCoef();
```

```
  // Find one root - any root - then factor out (t-r) to get a quadratic poly. for the remaining roots
```

```
  var f:Function = function(_t:Number):Number { return _t*(_c1Y + _t*(_c2Y + _t*(_c3Y))) + _c0Y - _y; }
```

```
  if( !_twbrf == null )
```

```
    _twbrf = new SimpleRoot();
```

```
  // some curves that loop around on themselves may require bisection
```

```
  _left = 0;
```

```
  _right = 1;
```

```
  __bisect(f, 0, 1);
```

```
  // experiment with tolerance - but not too tight :)
```

```
  var t0:Number = _twbrf.findRoot(_left, _right, f, 50, 0.000001);
```

```
  var eval:Number = Math.abs(f(t0));
```

```
  if( eval > 0.00001 )
```

```
    return []; // compensate in case method quits due to error (no event listener here)
```

```
  var result:Array = new Array();
```

```
  if( t0 <= 1 )
```

```
    result.push({t:t0, x:pointAt(t0).x});
```

```
  // Factor theorem: t-r is a factor of the cubic polynomial if r is a root. Use this to reduce to a quadratic poly.
```



```

using synthetic division
var a:Number = _c3Y;
var b:Number = t0*a+_c2Y;
var c:Number = t0*b+_c1Y;

// process the quadratic for the remaining two possible roots
var d:Number = b*b - 4*a*c;
if( d < 0 )
{
    return result;
}

d      = Math.sqrt(d);
a      = 1/(a + a);
var t1:Number = (d-b)*a;
var t2:Number = (-b-d)*a;

if( t1 >= 0 && t1 <=1 )
    result.push( {t:t1, x:pointAt(t1).x} );

if( t2 >= 0 && t2 <=1 )
    result.push( {t:t2, x:pointAt(t2).x} );

return result;
}

// recompute polynomial coefficients
private function getBezierCoef():void
{
    _c0X = x0;
    _c0Y = y0;

    var dX:Number = 3.0*(cx-x0);
    var dY:Number = 3.0*(cy-y0);
    _c1X      = dX;
    _c1Y      = dY;

    var bX:Number = 3.0*(cx1-cx) - dX;
    var bY:Number = 3.0*(cy1-cy) - dY;
    _c2X      = bX;
    _c2Y      = bY;

    _c3X = x1 - x0 - dX - bX;
    _c3Y = y1 - y0 - dY - bY;
}

// bisect the specified range to isolate an interval with a root.
private function __bisect(_f:Function, _l:Number, _r:Number):void

```

```

{
if( Math.abs(_r-_l) <= _bisectLimit )
{
return;
}

var left:Number = _l;
var right:Number = _r;
var middle:Number = 0.5*(left+right);
if( _f(left)*_f(right) <= 0 )
{
_left = left;
_right = right;
return;
}
else
{
__bisect(_f, left, middle);
__bisect(_f, middle, right);
}
}

// get the stationary points of x(t) and y(t)
private function getStationaryPoints(pX:Boolean=true):void
{
// in a future release, this will be made more efficient - don't want to mess with the invalidated flag just yet :)
getBezierCoef();

// given polynomial coefficients, the bezier curve equation is of the form  $c_0 + c_1*t + c_2*t^2 + c_3*t^3$ , so the
derivative is of
// the form  $c_1 + 2*c_2*t + 3*c_3*t^2$ , which has two roots
var d:Number = -1;
var t1:Number = -1;
var t2:Number = -1;

if( pX )
{
d = 4*_c2X*_c2X - 12*_c1X*_c3X;
if( d >= 0 )
{
d = Math.sqrt(d);
var a:Number = 6*_c3X;
var b:Number = 2*_c2X;
t1 = (-b + d)/a;
t2 = (-b - d)/a;
}

_t1X = t1 >= 0 && t1 <= 1 ? t1 : -1;

```

```

    _t2X = t2 >= 0 && t2 <= 1 ? t2 : -1;
}
else
{
    d = 4*_c2Y*_c2Y - 12*_c1Y*_c3Y;
    if( d >= 0 )
    {
        d = Math.sqrt(d);
        a = 6*_c3Y;
        b = 2*_c2Y;
        t1 = (-b + d)/a;
        t2 = (-b - d)/a;
    }

    _t1Y = t1 >= 0 && t1 <= 1 ? t1 : -1;
    _t2Y = t2 >= 0 && t2 <= 1 ? t2 : -1;
}
}
}
}

```

1.38 dom4j 1.6.1

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1.39 Ehcache Core 2.6.6

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1.40 FileSaver.js 1.0

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```
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```

1.41 FlexLib 2.4

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1.43 guava 15.0

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1.44 hibernate-validator 5.1.3

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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1.56 jackson-module-jaxb-annotations 2.8.0

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1.57 JADE 4.4

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1.63 jaxen 1.1-beta-6

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1.64 jboss-logging 3.3.0 3.3.0.Final

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1.65 jclouds-blobstore 1.0-beta-7

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the

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1.69 jna-platform 4.1.0

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1.72 jruby-jars 1.7.9

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.77 local_policy.jar 1.3.1

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    <jar name='byteman-bmunit.jar' />
</module>
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    <jar name='byteman-install.jar' />
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    version='2.1.0'
    projectHome='http://www.jboss.org/byteman'>
    <jar name='byteman-submit.jar' />
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    version='2.5'
    projectHome='http://creativecommons.org/licenses/by/2.5/'
    description='Annotations of JCIP'>
    <jar name='none (part of src tree: org.jgroups.annotations)' />
</module>
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    version='1.2.14'
    projectHome='http://logging.apache.org/'
    description='Java logging framework (runtime)'>

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```

    <jar name='log4j.jar' />
</module>
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    version='1.6.5'
    projectHome='http://ant.apache.org/'
    description='ANT (compile time), needed for generation of test reports'>
    <jar name='serializer.jar' />
</module>
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    version='6.8'
    projectHome='http://www.testng.org'
    description='Used for unit testing'>
    <jar name='testng-6.8.jar' />
</module>
<module name='xalan'
    licenseType='apache-2.0'
    version='2.4.D1'
    projectHome='http://xml.apache.org/xalan-j/'
    description='Xalan-Java is an XSLT processor for transforming XML documents.
        Used to generate HTML test reports from XML (testing time)'>
    <jar name='xalan.jar' />
</module>
</thirdparty-licenses>

```

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[2] <http://www.ecma-international.org/memento/Ecmabylaws.htm>

[3] <http://www.microsoft.com/interop/osp/>

[4] <http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/ECMA-376%20Edition%201%20Microsoft%20Patent%20Declaration.pdf>

[5] <http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/ga-2006-191.pdf>

DOM4J library (dom4j-1.6.1.jar)

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JUnit test library (junit-3.8.1.jar)

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[3] <http://www.microsoft.com/interop/osp/>

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[5] <http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/ga-2006-191.pdf>

DOM4J library (dom4j-1.6.1.jar)

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JUnit test library (junit-3.8.1.jar)

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```
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```
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```
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```

```
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Version 0.6, 7 March 2007

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Package Name	Qualifying License and Version
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1.80 noVNC 0.4

1.80.1 Available under license :

noVNC is Copyright (C) 2011 Joel Martin <github@martintribe.org>

The noVNC core library files are licensed under the MPL 2.0 (Mozilla Public License 2.0). The noVNC core library is composed of the Javascript code necessary for full noVNC operation. This includes (but is not limited to):

- include/base64.js
- include/des.js
- include/display.js
- include/input.js
- include/jsunzip.js
- include/logo.js

include/rfb.js
include/ui.js
include/util.js
include/vnc.js
include/websock.js
include/webutil.js

The HTML, CSS, font and images files that included with the noVNC source distribution (or repository) are not considered part of the noVNC core library and are licensed under more permissive licenses. The intent is to allow easy integration of noVNC into existing web sites and web applications.

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*.html : 2-Clause BSD license

include/*.css : 2-Clause BSD license

include/Orbitron* : SIL Open Font License 1.1
(Copyright 2009 Matt McInerney)

images/ : Creative Commons Attribution-ShareAlike
<http://creativecommons.org/licenses/by-sa/3.0/>

Some portions of noVNC are copyright to their individual authors. Please refer to the individual source files and/or to the noVNC commit history: <https://github.com/kanaka/noVNC/commits/master>

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include/des.js : Various BSD style licenses

include/jsunzip.js : zlib/libpng license

include/web-socket-js/ : New BSD license (3-clause). Source code at <http://github.com/gimite/web-socket-js>

include/chrome-app/tcp-stream.js
: Apache 2.0 license

utils/websockify
utils/websocket.py : LGPL 3

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1.81 noVNC_images 0.4

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- include/input.js
- include/jsunzip.js
- include/logo.js
- include/rfb.js
- include/ui.js
- include/util.js
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1.82 noVNC_websockify 0.4

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include/input.js
include/jsunzip.js
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include/logo.js
include/rfb.js
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1.83 quartz 2.1.7

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1.87 syslog4j 0.9.43

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compiler/cpp/src/generate/t_cpp_generator.cc
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compiler/cpp/src/generate/t_erl_generator.cc
compiler/cpp/src/generate/t_hs_generator.cc
compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj

lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

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L. Peter Deutsch
ghost@aladdin.com

```
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Version 2.1, February 1999

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
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- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
- web-common_3_0.xsd
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

may be obtained from <http://java.sun.com/xml/ns/javaee/>

1.91 velocity 1.6.2

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Welcome to VI Java API 2.0 release

WHAT IS VI JAVA API?

VI Java API is a set of Java libraries that aim to ease the usage of VI SDK Web Services interfaces. It's now open-sourced under BSD license.

It provides the following benefits to the Java developers:

- * Enables OO programming with a well defined managed object model
- * Reduces the need to use ManagedObjectReference and makes possible compile time type checking
- * Hides the complexity of the PropertyCollector
- * Provides necessary utility classes to simplify VI SDK web interfaces
- * High performance with 4+ times faster than AXIS engine

As a result, the application code using this API is much shorter (70% less) and much more readable than the equivalent using web service interfaces directly. The API itself is straight-forward and easy to learn and use.

WHO CREATED THE API?

The VI Java API was initially created by Steve Jin from VMware Engineering. He is the author of VMware VI and vSphere SDK by Prentice Hall. There are contributions from the communities as well. See the web site for more details.

WHAT IS INCLUDED?

Everything is packaged into one Jar file, including the Java source code, binary, sample code, license.

Version 2.0 includes a high performance web service engine which is 15+ times faster in loading and 4+ faster in de-serialization than AXIS with only 1/4 of the size, and many other features. Find out more at project home.

HOW TO GET STARTED?

To get started, check out the project tutorial at: <http://vijava.sf.net>.

WHERE TO DOWNLOAD THE LATEST RELEASE?

<http://vijava.sf.net>

WHERE CAN I GET HELP?

Project Forum: https://sourceforge.net/forum/forum.php?forum_id=826592

File a bug: https://sourceforge.net/tracker/?group_id=228007

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