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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

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which the executable runs, unless that component itself accompanies
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1.29 commons-codec 1.9

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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 BÃ©zier 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 t22:Number = t2*t2;
var t23:Number = t2*t22;

// x-coordinates of P1 and P2 (t = t1 and t2) - exercise: eliminate redudant 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 c0 + c1*t + c2*t^2 + c3*t^3, so the intersection satisfies the equation
   // Bx(t) = _x or Bx(t) - _x = 0, or c0x-_x + c1x*t + c2x*t^2 + c3x*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 c0 + c1*t + c2*t^2 + c3*t^3, so the intersection satisfies the equation
   // By(t) = _y or By(t) - _y = 0, or c0y-_y + c1y*t + c2y*t^2 + c3y*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 statonary 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 c0 + c1*t + c2*t^2 + c3*t^3, so the
derivative is of
   // the form c1 + 2*c2*t + 3*c3*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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*  A saveAs() FileSaver implementation.
*  2014-01-24
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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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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation

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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 application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square

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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.)

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy

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1.72 jruby-jars 1.7.9

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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.73 JSch 0.1.45

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1.74 jsoup 1.7.3

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1.75 JXL 2.6.10

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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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
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Otherwise, if the work is a derivative of the Library, you may

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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 distibution (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.

The HTML, CSS, font and image files are licensed as follows:

*.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

The are several files and projects that have been incorporated into the noVNC core library. Here is a list of those files and the original licenses (all MPL 2.0 compatible):

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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
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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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1.83 quartz 2.1.7

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compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
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compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
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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
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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
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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
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- web-common_3_0.xsd
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1.93 VMware Infrastructure Java API 2.0 :2.0 update 1

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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.

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