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GenericCurve3
  <<frre><<frre><< friend>> LinearCombination3: class
  <<frre><<frrend>> TensorProductSurface3: class
# usage flag: GLenum
 vbo derivative: RowMatrix<GLuint>
# derivative: Matrix<Cartesian3>
+ GenericCurve3 (maximum order of derivatives: GLint = 2, point count: GLint = 0,
                usage flag: GLenum = GL STATIC DRAW)
+ GenericCurve3 (curve: const GenericCurve3&)
+ operator = (rhs: GenericCurve3&): GenericCurve3&
+ deleteVertexBufferObjects(): GLvoid
+ <<const>> renderDerivatives(program: const ShaderProgram&, order: GLint, render mode: GLenum): GLboolean
+ <<const>> renderDerivatives(order: GLint, render mode: GLenum,
                              vec3 position location: GLint = 0): GLboolean
+ updateVertexBufferObjects(usage flag: GLenum = GL STATIC DRAW)
+ <<const>> mapDerivatives(order: GLint, access mode: GLenum = GL READ ONLY): GLfloat*
+ <<const>> unmapDerivatives(order: GLint): GLboolean
+ <<const>> operator () (order: GLint, index: GLint): const Cartesian3&
+ operator () (order: GLint, index: GLint): Cartesian3&
+ setDerivative(order: GLint, index: GLint, d: const Cartesian3&): GLboolean
+ setDerivative(order: GLint, index: GLint, x: GLdouble, v: GLdouble, z: GLdouble = 0.0): GLboolean
+ <<const>> derivative(order: GLint, index: GLint, d: Cartesian3&): GLboolean
+ <<const>> derivative(order: GLint, index: GLint, x: GLdouble&, v: GLdouble&, z: GLdouble&): GLboolean
+ <<const>> maximumOrderOfDerivatives(): GLint
+ <<const>> pointCount(): GLint
+ <<const>> usageFlag: GLenum
+ <<const>> generateMatlabCodeForRendering(
               file name: const std::string&,
               mode: std::ios base::openmode = std::ios base::out | std::ios base::app,
               line color: const Color4& = colors::blue,
               line style: const std::string& = "'-'", line width: const GLdouble& = 1.0,
               x coordinate name: const std::string& = "x",
               y coordinate name: const std::string& = "y",
               z coordinate name: const std::string& = "z"): GLboolean
+ <<const>> clone(): GenericCurve3*
+ ~GenericCurve3()
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<<fre><<freed>> operator <<(lhs: std::ostream&, rhs: const GenericCurve3&): std::ostream&</pre>