Checklist of new VTK Nonlinear Celltypes

Check	Element – Types											
Name	QuadraticQuad		TriQuadraticHexahedron		QuadraticLinearQuad		QuadraticLinearWedge		BiQuadraticQuadraticWedge		BiQuadratiQuadraticHexahedron	
Directory/Classname	Filter/vtkBiQuadraticQuad .cxx .h		Filter/vtkTriQuadraticHexahedron .cxx .h		Filter/vtkQuadraticLinearQuad		Filter/vtkQuadraticLinearWedge .cxx .h		Filter/vtkBiquadraticQuadraticWedge .cxx .h		Filter/vtkBiQuadraticQuadraticHexahedron .cxx .h	
VTK Element number	28		29		30		31		32		33	
Name in VTKCellType.h	VTK_BIQUADRATIC_QUAD		VTK_TRIQUADRATIC_HEXAHEDRON		VTK_QUADRATIC_LINEAR_QUAD		VTK_QUADRATIC_LINEAR_WEDGE		VTK_BIQUADRATIC_QUADRATIC_WEDGE		VTK_BIQUADRATIC_QUADRATIC_HEXAHEDRON	
Derrived from VTK class	VtkNonLinearCell		VtkNonLinearCell		VtkNonLinearCell		VtkNonLinearCell		VtkNonLinearCell		VtkNonLinearCell	
Member functions	**implemented**	**tested**	**implemented**	**tested**	**implemented**	**tested**	**implemented**	**tested**	**implemented**	**tested**	**implemented**	**tested**
Int GetCellType()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Int GetCellDimension()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Int GetNumberOfEdges()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Int GetNumberOfFaces()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
vtkCell *GetFace()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
vtkCell *GetEdge()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
int CellBoundary()	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo
void Contour()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
int EvaluatePosition()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Todo	Yes	Todo	Yes	Todo
void EvaluateLocation()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
int Triangulate()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
void Derivatives()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
virtual double *GetParametricCoords()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
void Clip()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
int IntersectWithLine()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
static void InterpolationFunctions()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
static void InterpolationDerivs()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
void InterpolateAttributes()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	n.n.	n.n.
Void subdivide()	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.	Yes	Yes
Changes in VTK classes												
Filtering/VtkCellType.h	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filtering/vtkUnstructuredGrid.h .cxx .h	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Graphics/VtkDataSetSurfaceFilter.cxx	Yes	Yes	n.n.	n.n.	Yes	Yes	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.
Graphics/vtkCutter.cxx	Yes	Todo	n.n.	n.n.	Yes	Todo	n.n.	n.n.	n.n.	n.n.	n.n.	n.n.
Graphics/vtkGeometryFilter.cxx			Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo
Graphics/vtkBoxClipDataSet.cxx	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo	Yes	Todo
Filtering/vtkGenericCell.h .cxx	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes