

Using the FSI Tool

> Inputs

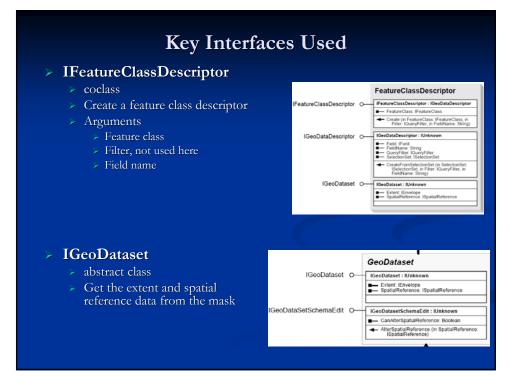
- > feature class with river stage data
 - > Must contain enough data to reasonably approximate the river surface
- > Raster data set covering area of interest
 - > Used as a mask to define output extent and cell size

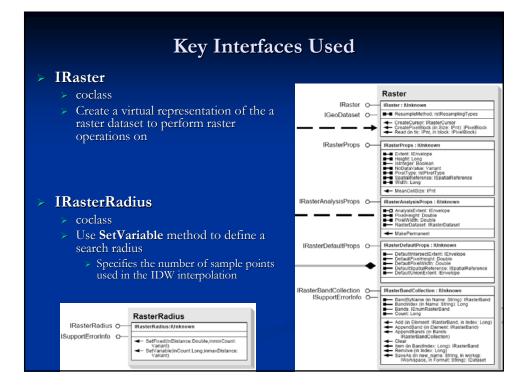
> User selects

- > Which feature class and raster layers to use from a list
- > Field name of data to interpolate from attribute list
- > Input the name of the interpolated layer

> Run the interpolation

> Requires Spatial Analyst Extension





Key Interfaces Used		
 IRasterAnalysisEnvironment coclass Set the analysis mask and cell size 	IRasterAnalysisEnvironment o- IPersist O- IPersistStream O- IClone O-	exiRatieffrom settingfrum, outCelluize GetLinkolden V you exiRatieffrom Settingfrum, outExtent: Right Resource Toffyror installer vionment SetAls Merch auf fror vion exiRatieffrom Settingfrum, in entRatieffrom Settingfrum, in getBiotProvider Variant)
 > IInterpolationOp > coclass > Implement interpolation methods (IDW) > Feature class data > Interpolation function power > # points to include > Inherits properties and methods of IRasterAnalysisEnvironment 	IGeoAnalysisEnvironment O-	Bittingenerging 200 million participation of the second seco

References

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Duh, Geoffrey. Portland State University. Fall 2007.

El-Sheimy, M., et. al. (2005) Digital Terrain Modeling, Norwood: MA: ARTECH House.

Muane, D.F. (2001) <u>Digital Elevation Model Technologies and Applications: The DEM Users</u> <u>Manual</u>, Bethesda MD: ASPRS Press.

Reference Code from:

Chang, K.T. (2008) Programming ArcObjects with VBA, Second Edition, Boca Raton, FL: CRC Press.