Silo - Bug # 985: ndims argument in DBPutZonelist methods is incorrectly documented

Status:	New	**Priority:**	Normal
Author:	Mark Miller	**Category:**	
Created:	02/27/2012	**Assigned to:**	
Updated:	02/27/2012	**Due date:**	
Likelihood:	3 - Occasional		
Severity:	3 - Major Irritation		
Silo Found in Version:	4.8		
OS:	All		
Support Group:	Any		
Subject:	ndims argument in DBPutZonelist methods is incorrectly documented		
Description:	In DBPutZonelist and DBPutZonelist2, there is an _ndims_ argument. In DBPutPHZonelist, there is no such argument but maybe there should be or should have been. At any rate, this argument is documented as _the number of spatial dimensions in the cooresponding mesh_. What? Why do we need to know about _spatial_ dimensions when we're writing a zonelist? If anything, the most useful thing would be for it to be _topological_ dimensions. On the other hand, other than the text in the Silo user's manual, I can't see anywhere where this numerical value is being interpreted except in DBAnnotateUcdmesh (and that method is really using as a _topolgoical_ dimension anyways) and the Silo plugin in VisIt. And, I am convinced that it would be much better for this to be the _topological_ dimension of the mesh. If so, however, there maybe some example codes and data files that need to get updated. Anywhere we are dealing with a ucd mesh of topologically two dimensional shapes (tris, quads and polygons) in 3 space.		

History