

Silo - Bug # 1119: Example and manual don't agree on node order for arb. polyhedra for DBPutZonelist

Status:	New	Priority:	Normal
Author:	Mark Miller	Category:	
Created:	07/05/2012	Assigned to:	
Updated:	07/05/2012	Due date:	
Likelihood:	3 - Occasional		
Severity:	2 - Minor Irritation		
Silo Found in Version:	4.8		
OS:	All		
Support Group:	Any		
Subject:	Example and manual don't agree on node order for arb. polyhedra for DBPutZonelist		
Description:	<p>On page 2-97 of the manual, it says for DB_ZONETYPE_POLYHEDRON that nodes should be enumerated over faces such that "...are numbered in a counter-clockwise fashion when viewed from the outside." That is a right-hand-rule for an outward normal.</p> <p>However, the example on page 2-98 does the reverse and enumerates nodes over faces such that right-hand-rule yields an inward normal.]</p> <p>Which is correct? Well, Silo doesn't really care too much but VisIt does and so we need to see how VisIt has interpreted them and then correct the manual.</p> <p>Note that DBPutPHZonelist does specify right-hand-rule yields an outward normal and the example also demonstrates that.</p> <p>I think what happened is that the example was written first and there was no verbiage in the manual regarding the node ordering except as could be deduced from the example. So, when I added explicit verbiage, I did so such that it was consistent with DBPutPHZonelist without looking at the example and got it wrong.</p>		

History
