











## **Solid Modeling Representations**

- · Voxels
- · Quadtrees & Octrees
- KD and BSP Trees
- · Constructive solid geometry

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## **Solid Modeling Representations**

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Voxels	Octree	BSP	CSG	
No	No	Some	Some	-
No	No	No	Yes	
No	No	Yes	Yes	
Some	Some	No	Some	
Yes	Yes	Yes	No	
Yes	Yes	Yes	Yes	
No	No	Yes	No	
I				
	No No No Some Yes No	XO     HO       No     No       No     No       No     No       Some     Some       Yes     Yes       Yes     Yes       No     No       No     No	XOHONONoNoNoNoNoNoNoNoYesSomeSomeNoYesYesYesYesYesYesNoNoYes	XOHOKOSomeNoNoNoSomeNoNoNoYesNoNoYesYesSomeSomeNoSomeYesYesYesYesYesYesYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesNo