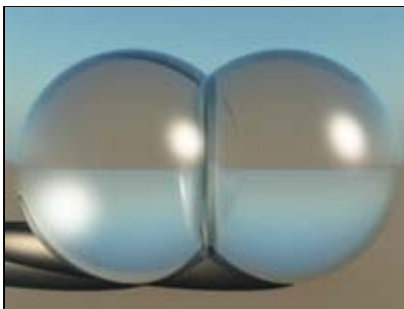


www.chromesphere.com - Vue Boolean Operations

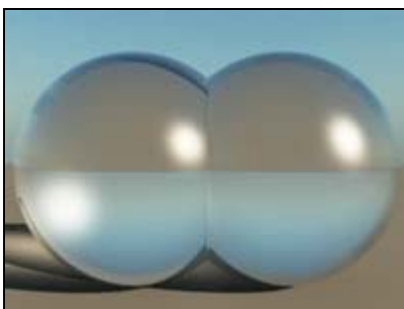
Vue Boolean Operations

More of an explanation than a tutorial, i will show you the difference between the 3 Boolean Operations vue has to offer. There are 3 different types of boolean operations in Vue, Difference, Union, and Intersection.

1) **Boolean Union** - 2 objects are "welded" together. This process is useful for example, for joining 2 glass spheres together. The result will not display any internal edges. Look closely at both of the following pictures. You will be able to see the internal edges where the 2 spheres intersect in the first image, which dissolve after we have applied the Union (the second image).

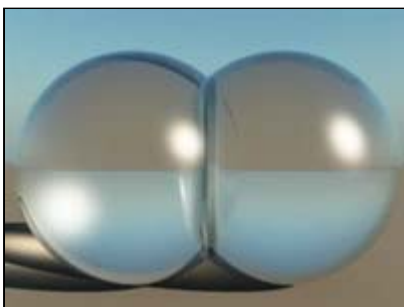


Before Union

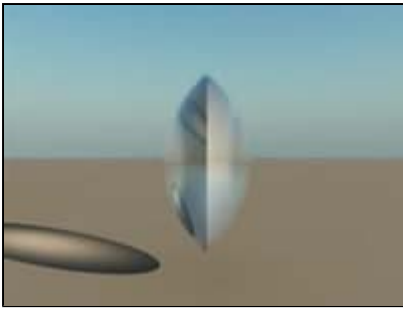


After Union

2) **Boolean Intersection** - When the boolean intersection operation has been executed, the resulting object will be only where the original objects overlap.

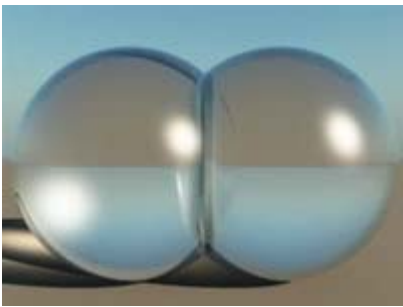


Before Intersection

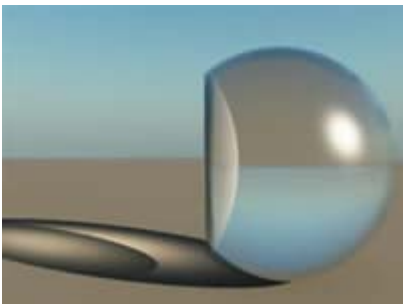


After Intersection

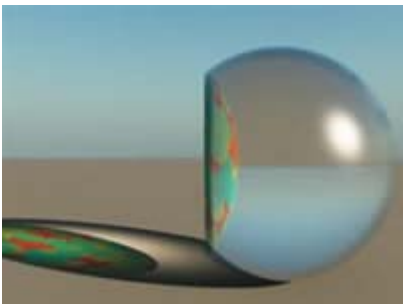
3) **Boolean Difference** - A Boolean Difference operation will take the first object (the base object) selected and subtract each of the following objects selected from it. If the materials on each object are different, the subtracted objects will leave their material influence on the subtracted object (see third image). So in the following images I have selected the right sphere first, the "base" object.



Before Difference



After Difference



After Difference with different materials applied to each sphere

In the third image I changed the material of the left sphere to "coloured glass". You can see how this material has left its influence on the right sphere which it has "bitten" into.

This concludes the basic boolean operation tutorial.