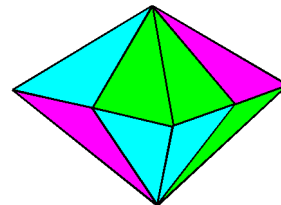
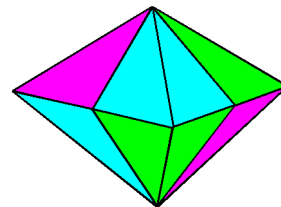


Sonobe Alpha and Beta 3-Part Silverhexahedra

These diagrams show you how to make 3-part silverhexahedra from alpha and beta Sonobe modules.



An alpha module silverhexahedron can also be made from Corner-pocket Sonobe modules. However, the beta equivalent cannot be assembled successfully.



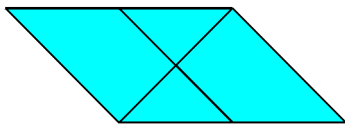
The alpha Sonobe version of the 3-part Silverhexahedron was first discovered by Toshie Takahama sometime in the early 1970s. It is usually known as her Jewel. As far as I know the beta module version has not been published before.

The alpha and beta versions are identical in appearance, though not, of course, in their modular structure.

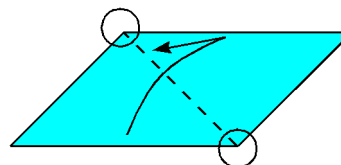
Both hexahedra are folded from three squares of paper. Diagrams for the basic forms of the Sonobe and Corner-pocket Sonobe modules can be found elsewhere on this site.

From alpha modules

1



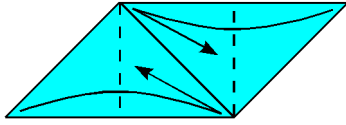
2



1. Begin by turning the basic module over sideways.

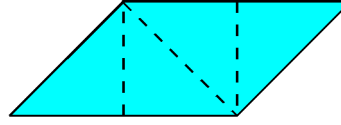
2. Fold in half diagonally from corner to corner as shown, making sure the new corners are sharp, then unfold.

3



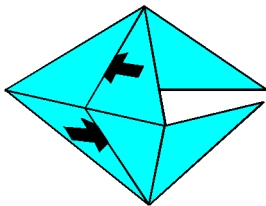
3. Fold the bottom left and top right corners inwards as shown, then unfold.

4



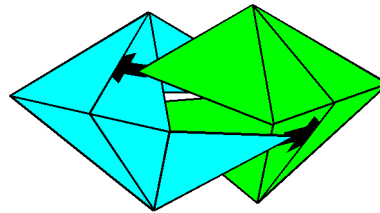
4. Use these creases to collapse the module into the shape shown in picture 5.

5



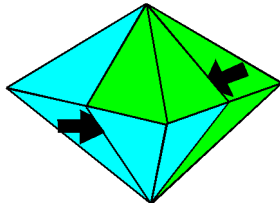
5. The first module is finished. The arrows indicate the location of the pockets. Make all four.

6



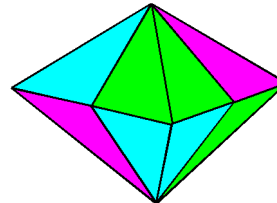
6. The first two modules go together like this.

7



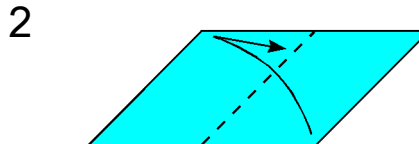
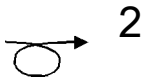
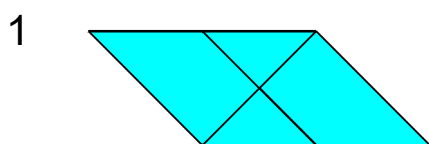
7. Add the third module at the back underneath the arms of the first two modules. Tuck all the free arms into the matching pockets.

8



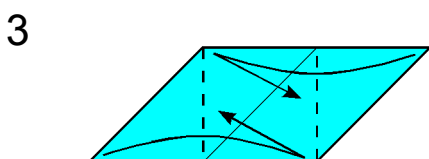
8. This is what the finished 3-part alpha silverhexahedron should look like.

From beta modules

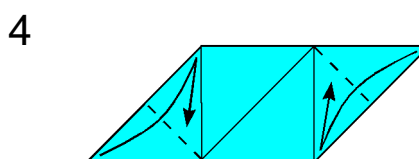


1. Begin by turning the basic module over sideways.

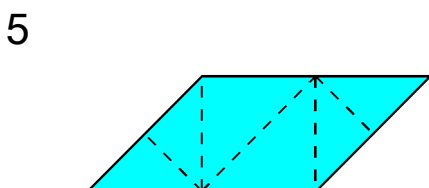
2. Fold in half diagonally from corner to corner as shown, then unfold.



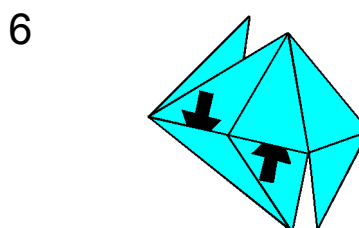
3. Fold the bottom left and top right corners inwards as shown, then unfold.



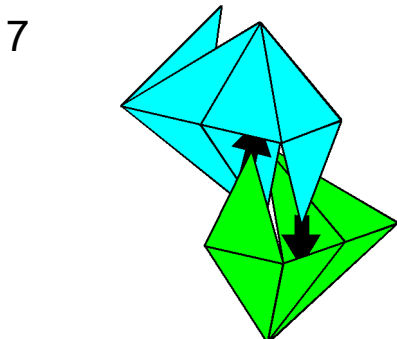
4. Fold the bottom left and top right corners inwards as shown, then unfold.



5. Use these creases to collapse the module into the shape shown in picture 6.

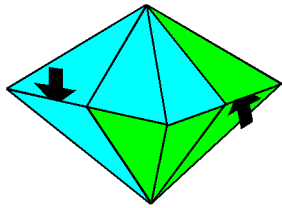


6. The first module is finished. The arrows indicate the location of the pockets. Make all four.



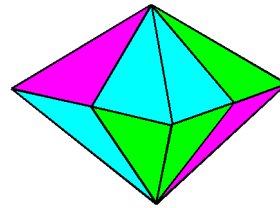
7. The first two modules go together like this.

8



8. Add the third module at the back underneath the arms of the first two modules. Tuck all the free arms into the matching pockets.

9



9. The finished silverhexahedron should look like this.