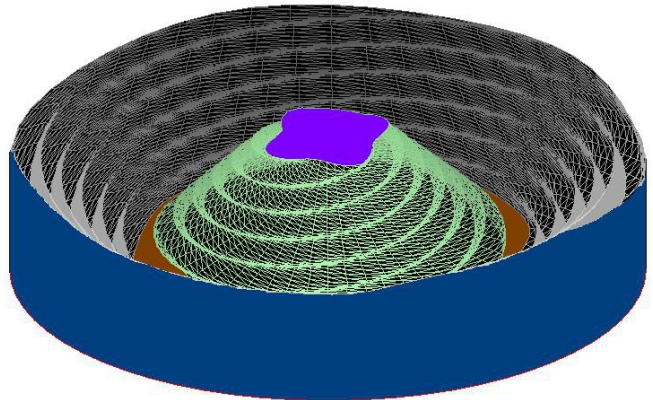
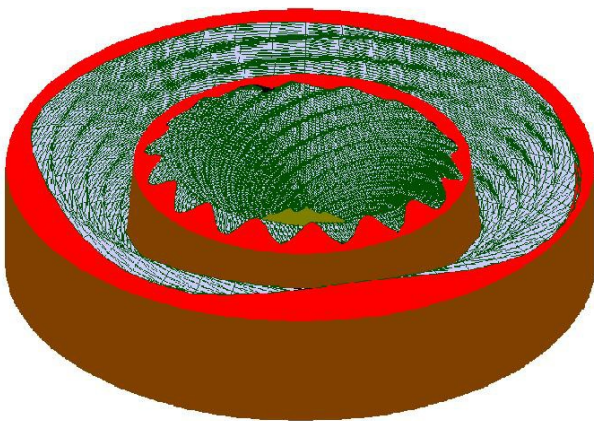
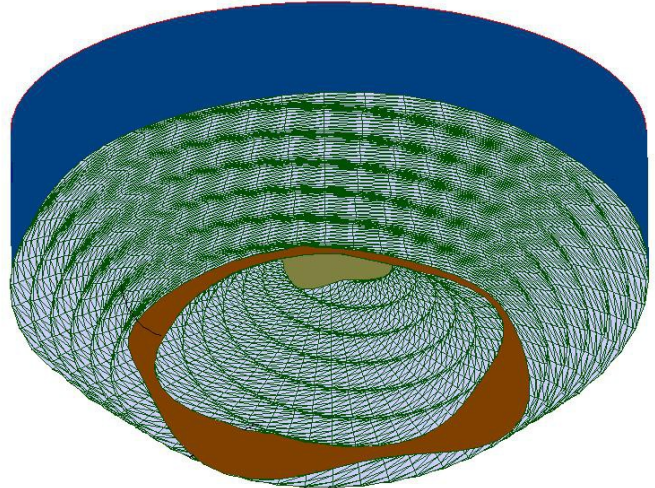
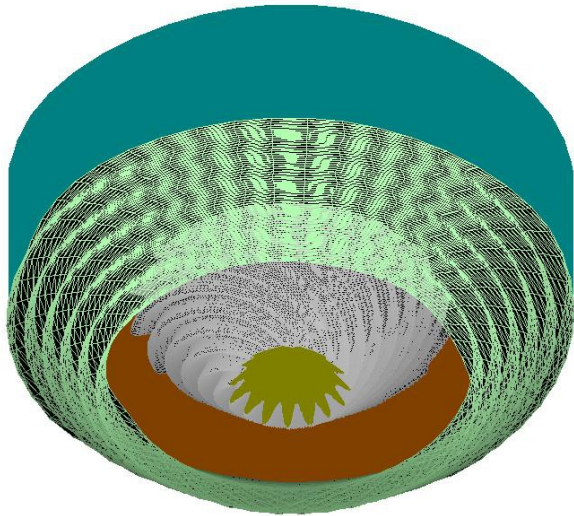


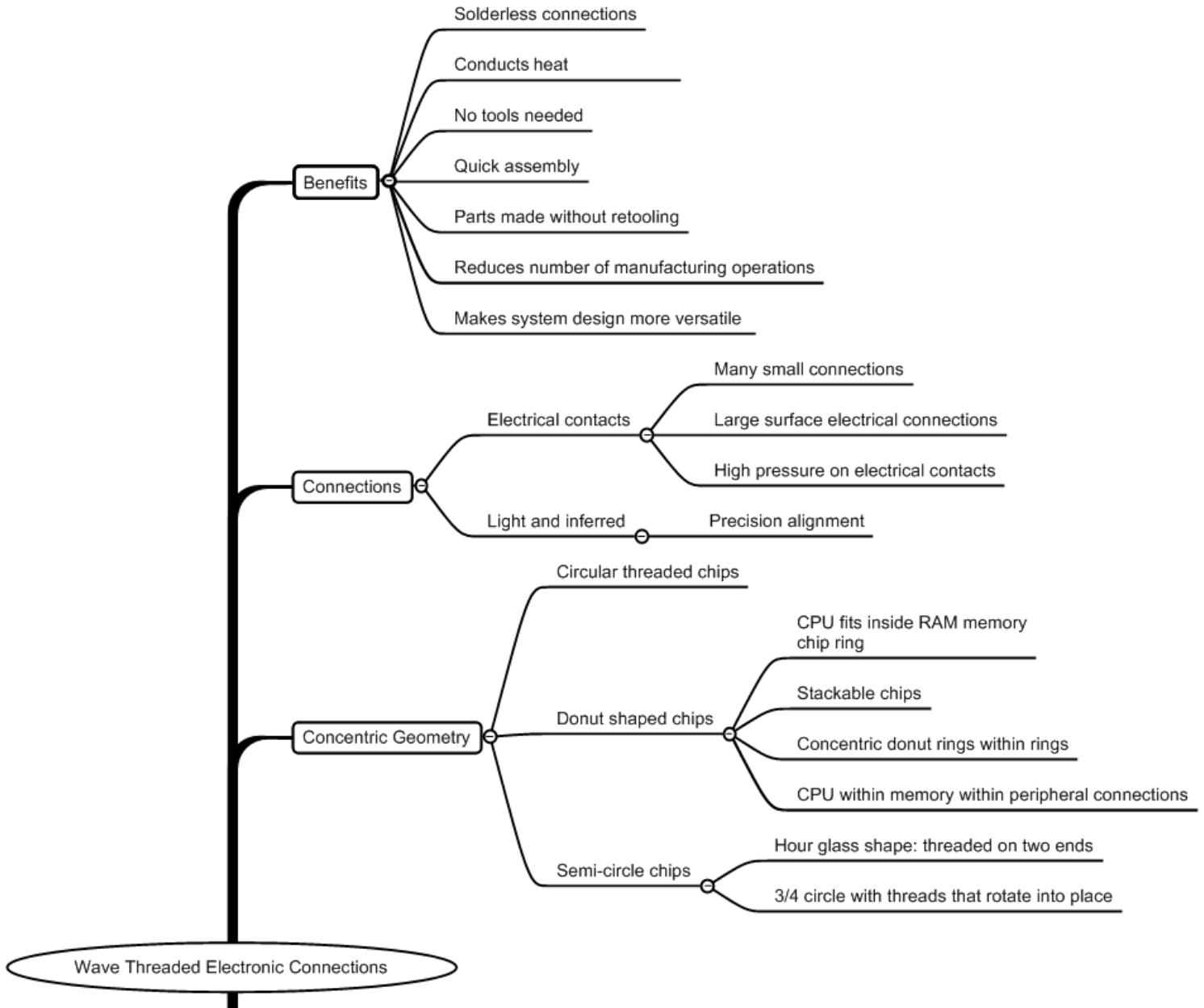
Nested Electronic Connections Using Wave Threads

This concept can be incorporated as a quick and secure key connection. It is secure in that the wave thread takes more physical torque to break the connection than to make it. Its multiple input contacts remain sealed from the environment even underwater. They cannot oxidize because air is kept out. The wave thread could have hundreds of contact points such as a chip eliminating soldering and making assembly or replacement modular.

Below are two types of nested wave threads that could be a thousand connection points. The precision alignment of the thread allows electrical or optic connections.



The following outline is an overview of electronic applications



Wave Threaded Electronic Connections

Marketability

- Easier maintenance
- New and interesting computer/electronic designs
- quick connectivity
 - Add your phone to your TV; computer
 - Add a gps component to car or hand held device
 - connect your computer to your car

Engineering

- 3-D chip design
- Stackable connections
- Unique geometric locking

Manufacturability

- Laminated
 - 2-D internal wiring maps
 - Thin layers to produce outside shape
- Molding
 - Inert components such as covers
 - Cementing parts together into a component

Wave thread Properties

- Surface Shape
 - Conic
 - Concave
 - Convex
 - Combinations
- Profile
 - Wave
 - Square/V-shape
- Size
 - Constant
 - Expanding/Contracting
- 100% Surface contacts
 - Cannot over tighten
 - Fluid tight
 - Precision positioning