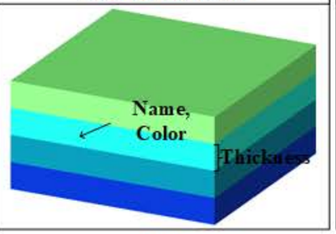
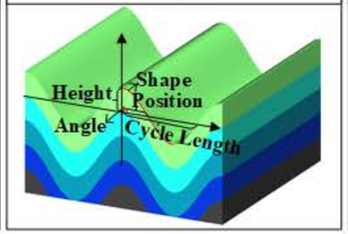
Principle of constructive parameterization

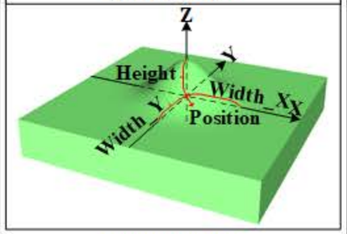
Construct strata



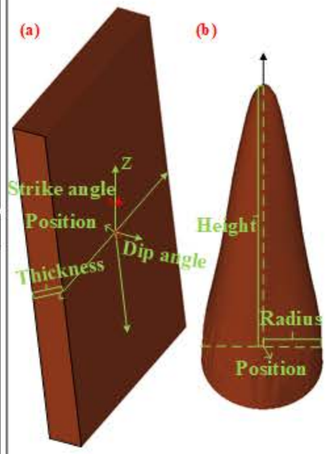
Fold



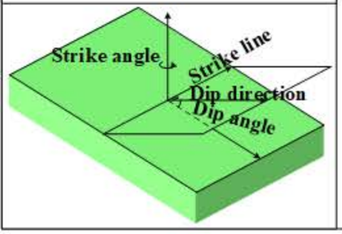
Partial fold



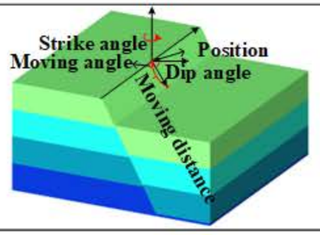
Intrusive rock: dike(a), stock(b)



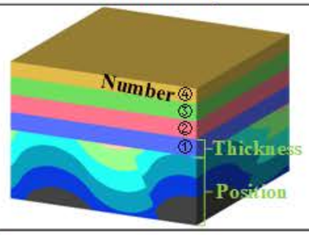
Tilt



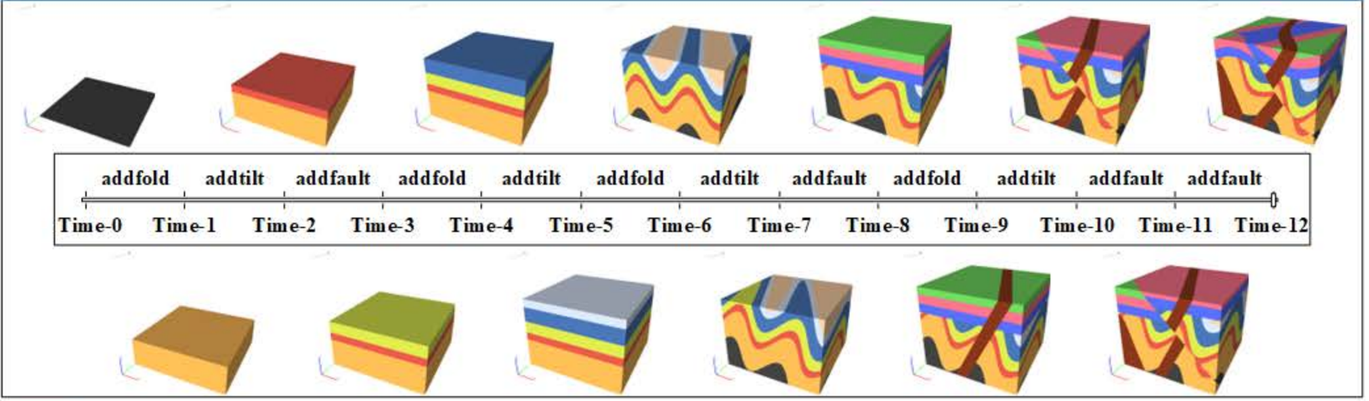
Fault



Unconformity

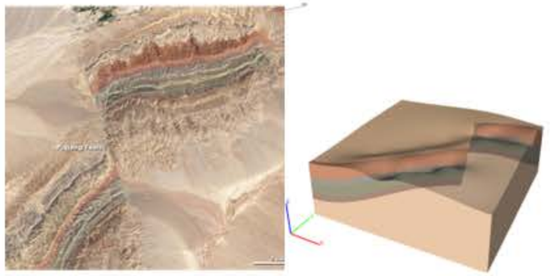


Simulation of complex regional geological and structural evolutionary processes

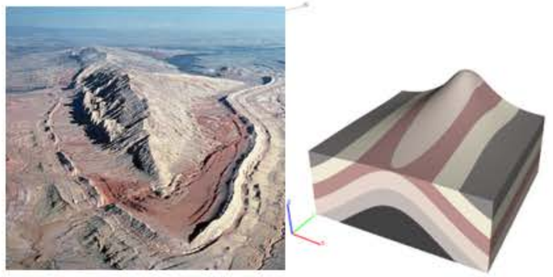


Simulating the evolutionary process of wellknow geological features

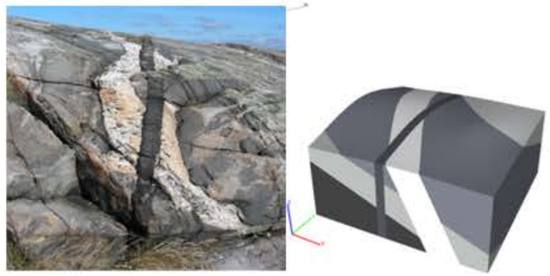
Piqiang Fault, China



Sheep Mountain, USA

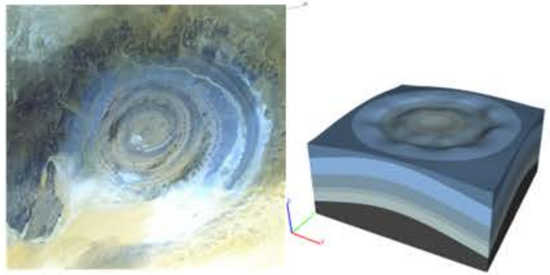


Kosterhavet Park, Sweden

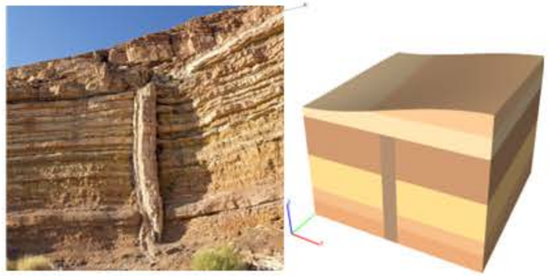


Telheiro Beach, Portugal

Eye of the Sahara, the Sahara



Makhtesh Ramon, Israel



Conclusion

- The 4D spatial and temporal evolution of regional geologic formations model that contains smooth boundaries can be established quickly using this method.
- The model can also dynamically present the regional geologic evolutionary process and reveal the interactions between structures over time via the timeline feature of the program.
- It is more convenient to add subsequent structures and provide additional detail to a single structure.