New Approach to Generate, Re-Generate, Encode, and Compress 3D Structures using Complex Functions

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complex polynomial equations. Aren't they? Most of the simple objects can be represented directly. Let's take an example of a simple heart in 30 or shown in Fig. 1, and look at the equation carefully. It represents a polynomial equation of 6 degrees.

et ir ios accour nocialing on calect in a my Standard caminación solonida. et i se several modelling software, like CAO ultrich hassit extension. It fores manify the vertices. Another one beling 355, nou ouned by Audess Mayou I stores data in from of binary chink, similar to XML DOM res with a 3-ds extension Flimbox or (flox) fles are oldo modelled using Auodess, another format to agreement his in worth models with but her use.





plex structure



Fig. 3: 3D representation of an Arena



Fig. 4: 3D representation of a chain like structure



tures in 3D



Fig. 6: A geode in 3D



Fig. 7: Implicit costa in 3D



Fig. 8: A representation



Fig. 9: A broken vase repre sented in 3D



ig. 10: A 3D represent of a virus

When we are modeling, we are working with verifices, edges and focuse in the object or designed flow which in object A robe in a 20 feet of one of the object object in one text oddo the into the object of the object object of the object of the object of the object of the object of

sole? If in Mays, a standard orientation solutione using 400 faces and appet this object file, are all first that is hard series of books 35 to Bloom set all do here is use all store the equation in text format and It will be standard, the thin ($(2+0.4)^2 + (2+2.4)^2 - 3 - (2-3)^2 + (2-3)^2 - (2-3)^2 +$

There are a lot of advantages in it, this, it reduces the size of the model, which makes it possible to corry and interpret it was frost Secondal, since it is a frest file and an equation, it can be easily encoded in any format using standard cytologisches techniques, which recens it can be broadly used to had calculated inflary secrets. One with a sharp memory could not be countered in the school or and expendent in the school had only executed in the school. After believes the memory of the school or of the s

Now we are representing very simple objects with equations, what about some complex objects? Yes, it too can be represented. For example, the

So if we represent it in terms of a model in any anneation software, it will be more than 2 MG for sure, but in this approach, we can represent it in a set of equations as shown above, which compresses it is a very composit format. The non-advantage of this procedure is it can expressint complex shapes in a very composit manner, helping in incomposition playly classified military secret. Use can also improve this neathood by applying multiple existo functions to describe the colour, which will generally take a lot of space for any testine based endering advances.

Note there is a complex showner, too complex to opened in equations (thou are continued in the case to their in midright sub-investigation of the opened most involved and in execution of the opened continued in the case of the opened continued in the case of the case of