

MEHRDAD GAROUSI Artwork: **Let Me Go**



Topic: *3D Fractal Animation*

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References:
[1]
<http://www.mixcloud.com/flinch/>
[2] Mandelbulb3D,
<http://www.fractalforums.com/mandelbulb-3d/>
[3] 2012 One-Night Film Fest, 2012 Bridges Conference, July 25-29, 2012, Towson University, Maryland, USA.

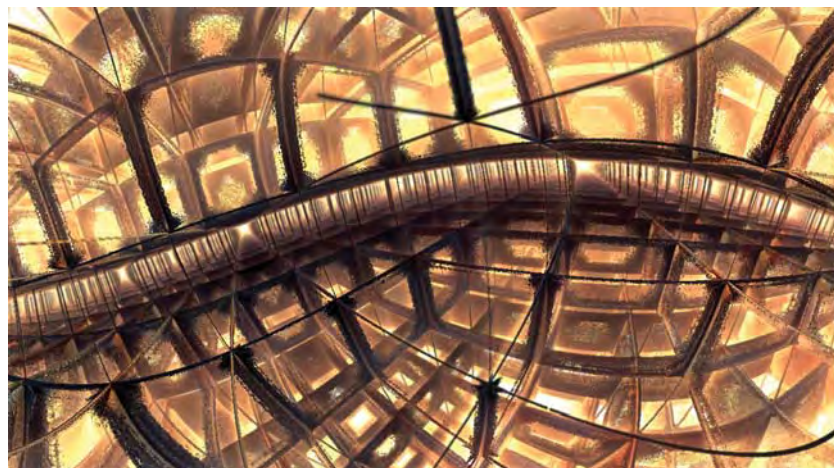
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Abstract:

This music video is a pure fractal animation made for *Flinch* [1], who is an electronic musician from North America. It is made in one of the well-known and still-under-evolution fractal programs *Mandelbulb3D* [2], except for minor post-render adjustments in *Adobe Premiere*. The animation is altogether a combination of 4 basic fractal formulas and what is seen during the 5:45 of the play is the result of variations in the constructing numeric variables defining these formulas or those controlling environmental phenomena like colors, lights, etc. Fractals are very modern results of fractal geometry which introduce us to very strange worlds belonging to fractional dimensions, resembling the unconscious digitally. Fractals are materialization of numbers in form of complex but controllable systems. Two of the best known techniques in fractal animating are magnification and the morphing of shapes and environments which could be seen in this animation as well. Morphing struggles with the constructing numeric relations defining the digital world around before our eyes in fast continuous processes. This fractal animation, on the whole, was a direct interaction between codes, numbers, equations, adjusters, and computer on one side and my ears, listening to and interpreting the music, and my mind, traveling within the complexity of the aesthetics of digitality and fractality, on the other side. Non-stop rendering of the final version of this 5:45 animation at 1280 x 720 pixels took my hexa-core cpu more than two weeks.

This animation was presented at 2012 Bridges One-Night Film Festival and the foregoing explanation is also the same explanation presented in the Bridges film catalog [3].

Animation can be watched at:
<http://www.youtube.com/watch?v=KugjZHS5ayY>



A still frame of the animation.

Keywords:
Fractal art, 3D fractal, animation, Mandelbulb3D, mathematical music video