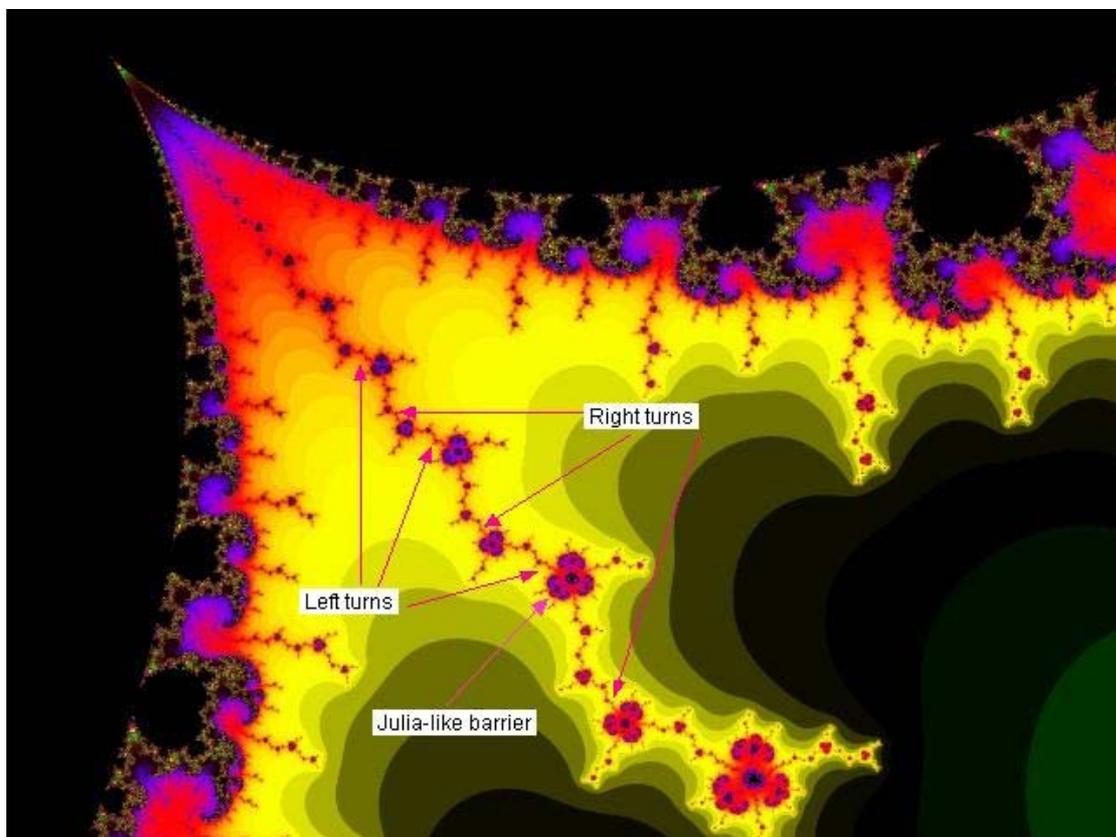


## 26) Another zenbuddhistic koan

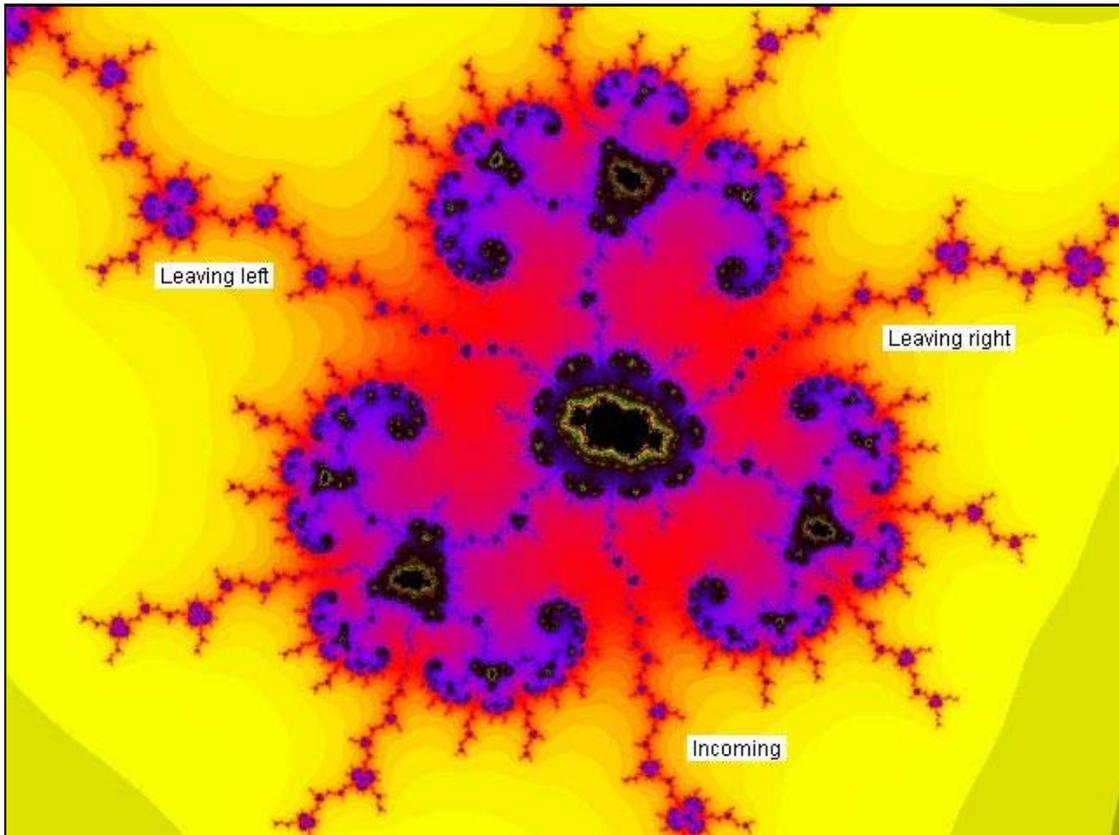
(In order to see the text in some illustrations, justify the size to 125%)

This article may be considered as an appendix to article 24.

In the cubic Mandelbrot set there is another zenbuddhistic koan somewhat similar to the "Little Cubic Mandelbrot Mystery". Let's have a look at the first image "Another Koan". This image (and the parameter is exactly the same as "MysteryZoom2a1" in article 24, only the illustrations differ. Look at the filament joining the cusp of the enlarged mini copy. This filament is uttermost constituted of smaller copies of the cubic Mandelbrot set surrounded by "Julia-like barriers" (see article 12) due to the proximity of our enlarged minibrot. Figure 2, "Inside Barrier" shows the arrow-marked Julia-like barrier. Note that here in the cubic case, the first barrier has three corners, the second barrier nine "corners" etc. So also there are at first three filaments, the "Incomming" joining the cusp, and from the left and right upper horns there are one leaving to the left and one leaving to the right. In order to reach the cusp of our mini-copy we have to follow one of these two filaments. Returning to our first image we see that we have to select the left one. However, as this illustration shows, we have to alter between the left and the right leaving filaments all the time. Now, here is the other zen buddhistic koan to meditate on:



**Fig 1. Another Koan.**



**Fig 2. Inside Barrier.**

*Do the "last" of the infinite number of mini copies toward the cusp stick its left upper or right upper horn in the cusp?*

Moreover between two mini-copies, there are an infinity of more hierarchies of mini copies producing the same koan. Take care and don't get mad of the mysteries of the cubic Mandelbrot set.

Don't forget my "Cubic Tutorial" and "Pictures from Cubic Parameterspace" reachable from my index page.

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Regards

Ingvar