

14) Infinite Emptiness - Infinite Individual Fullness

What constitutes the filaments

(To see the illustrations clearly, put the size to 125%)

In this article we shall have a look at what constitutes the filaments. Let's have a closer look at one of the arms of the 5-star bud towards the Seahorse Valley. As the M set is connected, the filaments must be connected. What are the filaments ultimately built up of? We have already declared that the filaments are solely built up of minibrots (see article "Julia-like barriers"). We have also seen that every filament is characterized by stars of a certain number of arms, in this case of 5-stars. Note that there also are filaments that have stars with different number of arms mixed in the same filament (see for example the image "FilamentTop" of the previous article). Does all this mean that we find a minibrot deep in the center of each star? The answer is definitely NO. In the center of each star there is *infinitely emptiness* (scientifically called a *singularity*). As the filaments are solely built up of minibrots, an infinitely small minibrot in the filament from the bud sticks, in this case, its spike in the 4 aisles of the infinitely first small minibrots of the outgoing filaments at the same time!!! But the spike of the *last* minibrot is made up of infinitely many minibrots. This absurdness, however, can only take place in the infinite

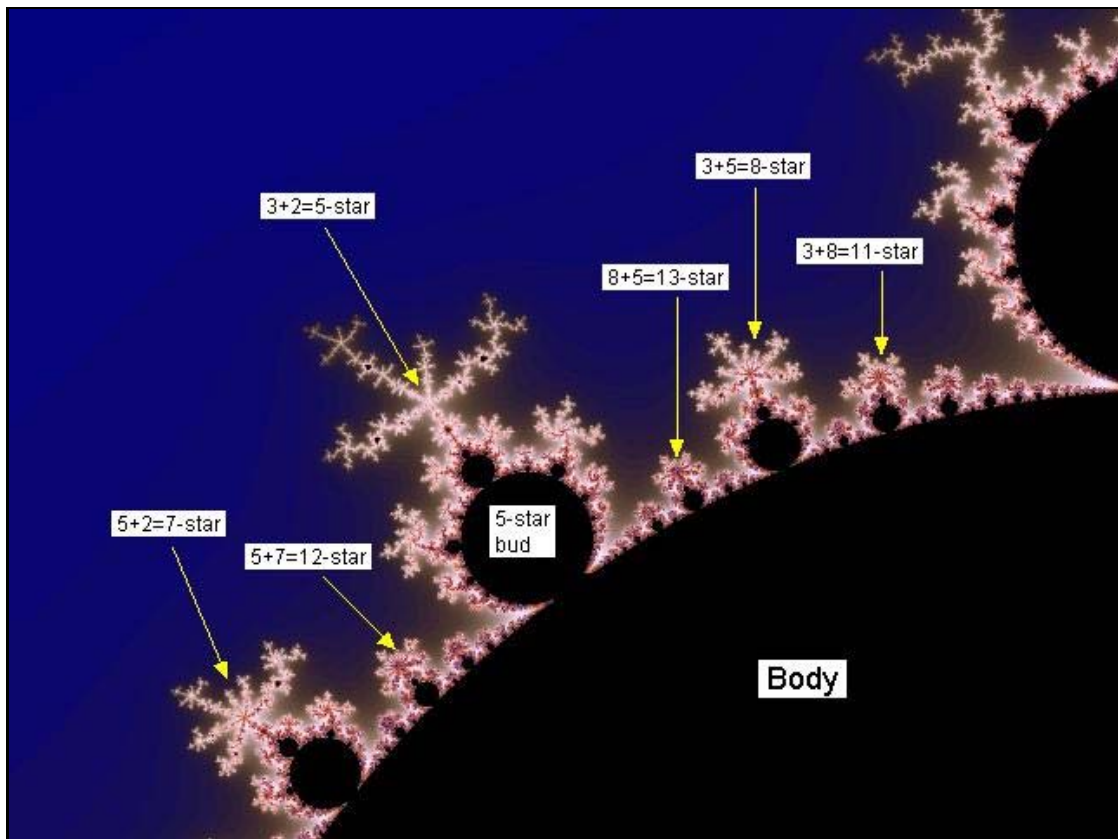


Fig 1. 5-star Bud.

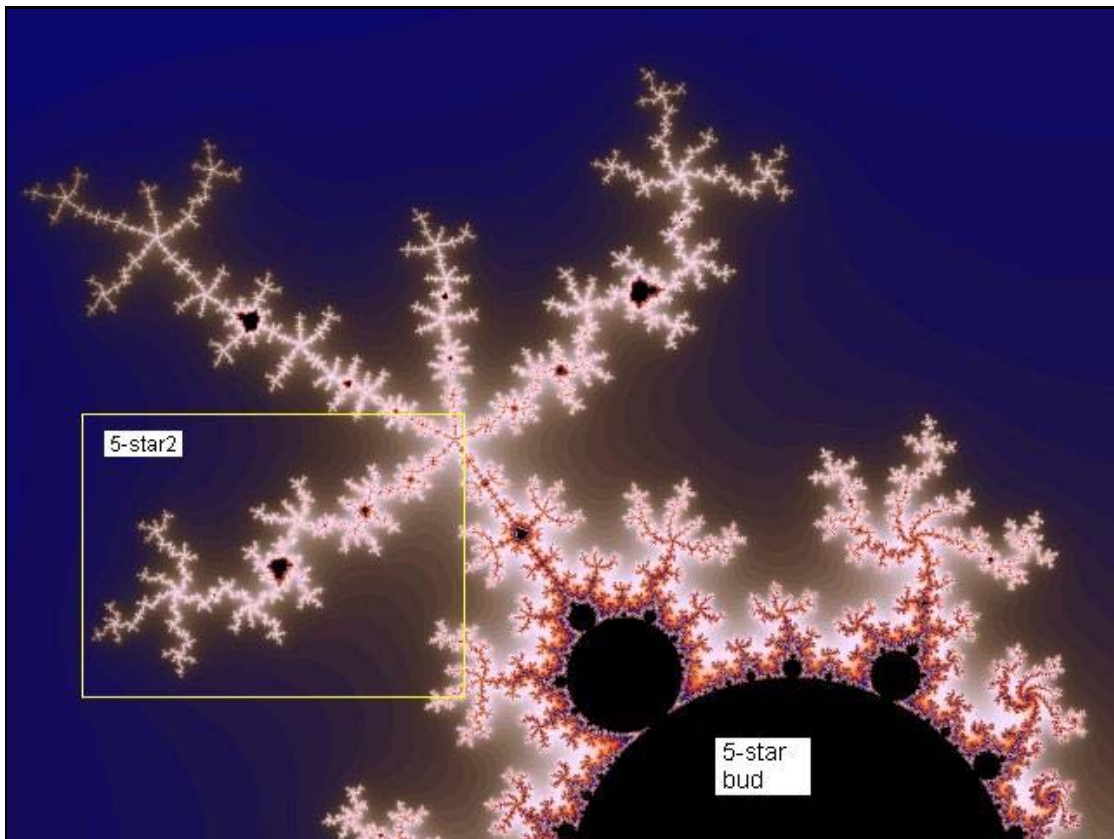


Fig 2. 5-star 1.

smallness, an emptiness that no one can ever reach. (Compare to "The complete Lesbian Mystery", article 4).

Between the stars the minibrots are to be found. Some of these are visible without further magnification. In order to see other minibrots one must zoom far or less deep. The spots where minibrots are to be found reveal themselves by sending out first two extra filaments, which may cause the spot to be mistaken for a 4-star. However approaching the minibrot, the number of filaments increases according to the series 2, 4, 8, 16 etc towards the minibrot. On the other hand when zooming against the center of a star, the number of arms is constant.

If we blow up an interval of a filament between a minibrot and a star, we will find that this interval is constituted of smaller minibrots and stars (see figure 4, 5-star3). Near either the minibrot or "the great star" the smaller minibrots are not visible without further zooming. Near the minibrot we have to force Julia-like barriers (see figure 5, 5-star4), and near the center of "the great star" the filament radiating from the minibrot are much longer. That's a little bit of the reason that there are no minibrots in the entire M set with exactly the same environment. At the same time every minibrot has the whole infinite collected fullness of patterns of the whole M set. That's the reason why we use the term "individual infinite fullness" for those spots. On the other hand, regarding Julia sets generated by parameters picked from "island molecules" (minibrots of the filaments), the structures around each island molecule (enclosed "Julia-patterns") of the filaments of the resulting Julia set are exactly the same. See article 4 "The complete Lesbian Mystery".

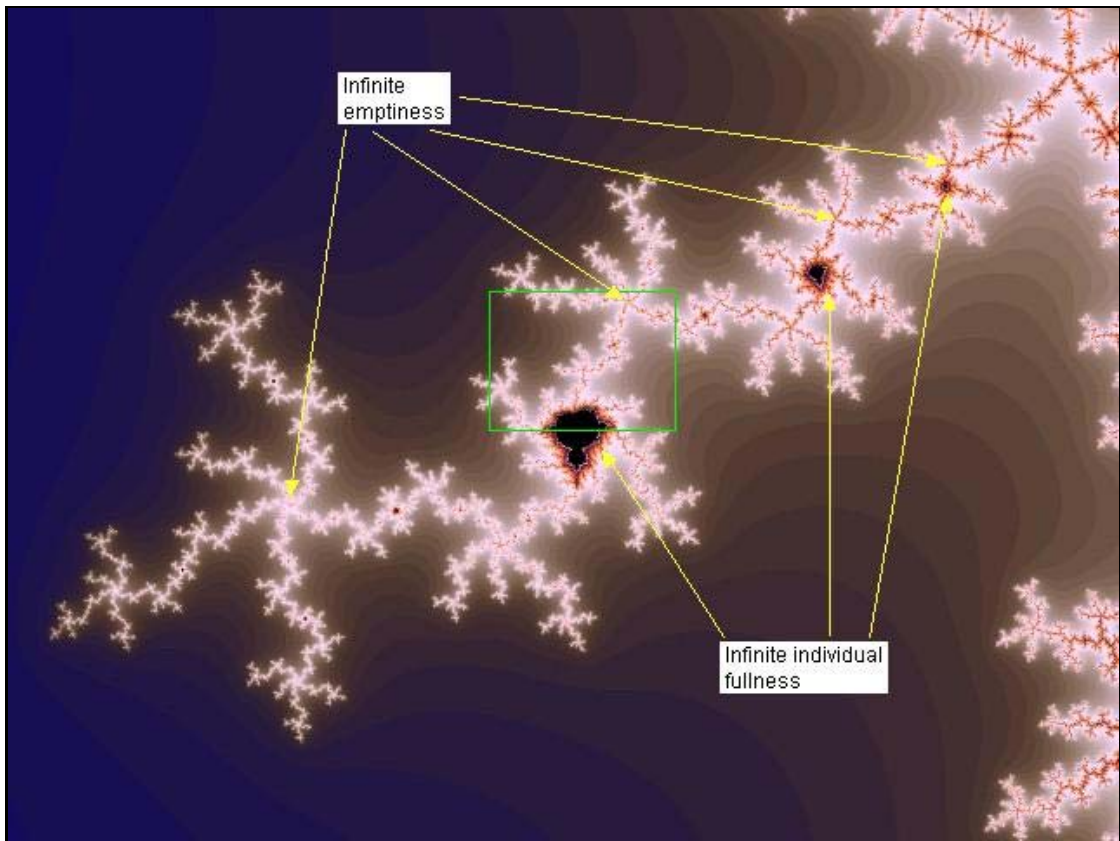


Fig 3. 5-star 2.

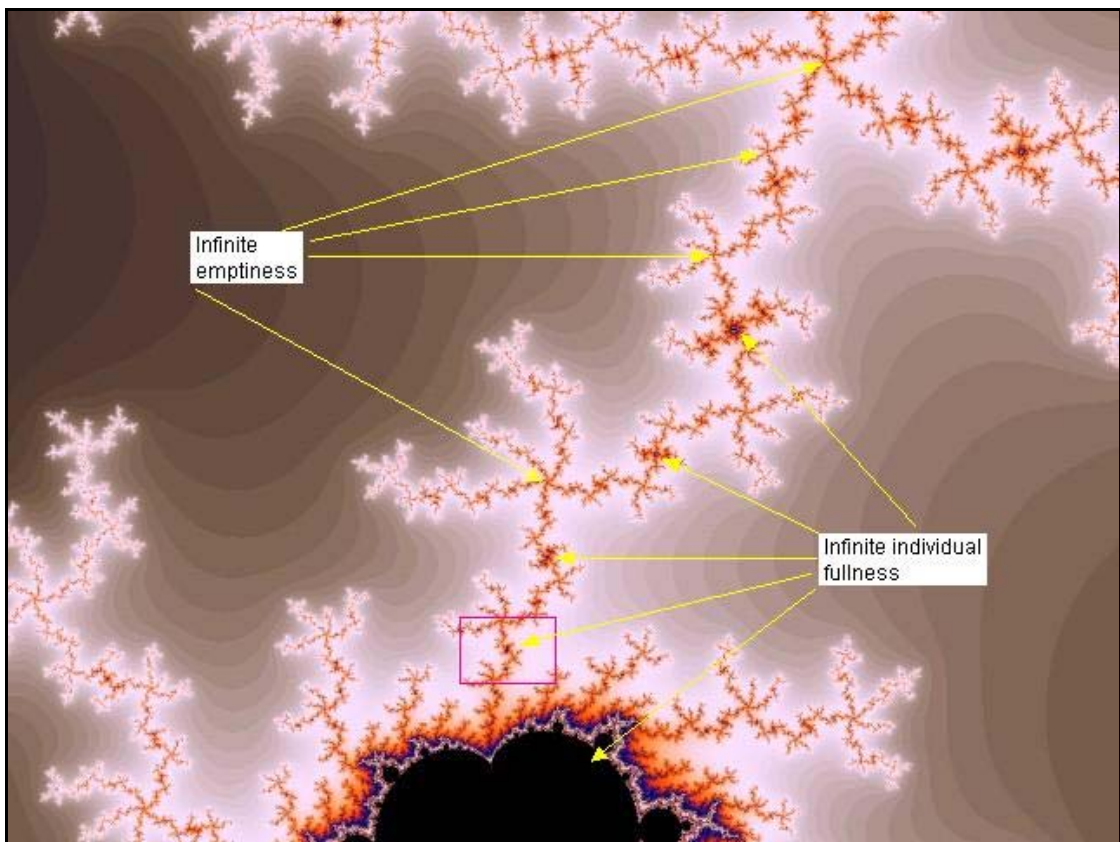


Fig 4. 5-star 3.

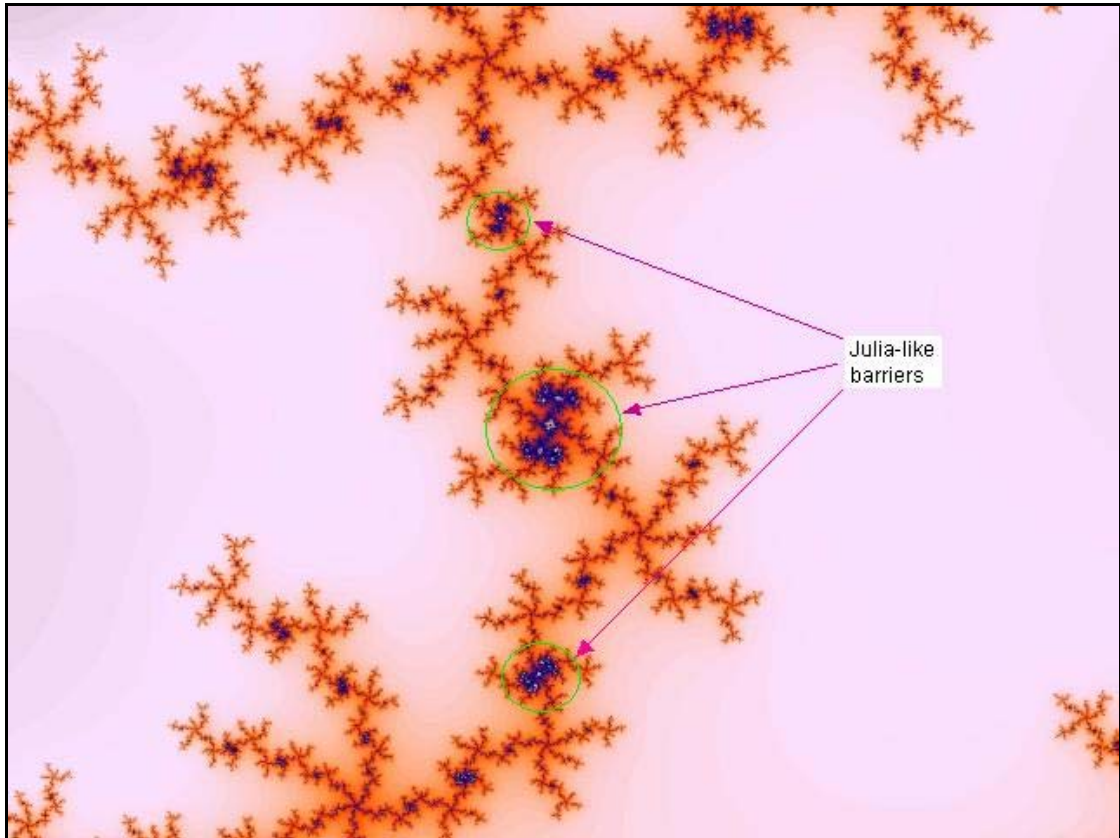


Fig 5. 5-star 4.

In other words: Every interval of the filaments of the M set is entirely constituted by the play between *infinite emptiness* and *infinite individual fullness*.

Regards

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