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CONSTANTLY MEAN

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The golden mean is quite absurd;
It's not your ordinary surd.
If you invert it (this is fun!),
You'll get itself, reduced by one;
But if increased by unity,
This yields its square, take it from me.

Alone among the numbers real,
It represents the Greek ideal.
Rectangles golden which are seen,
Are shaped such that this golden mean,
As ratio of the base and height,
Gives greatest visual delight.

Expressed as a continued fraction,
It's one, one, one, ..., until distraction;
In short, the simplest of such kind
(Doesn't this really blow your mind?)
And the convergents, if you watch,
Display the series Fibonacc'
In both their bottom and their top,
That is, until you care to stop.

Since it belongs to F-root-five
Its value's tedious to derive.
These properties are quite unique
And make it something of a freak.
Yes, one-point-six-one-eight-oh-three,
You're too irrational for me.