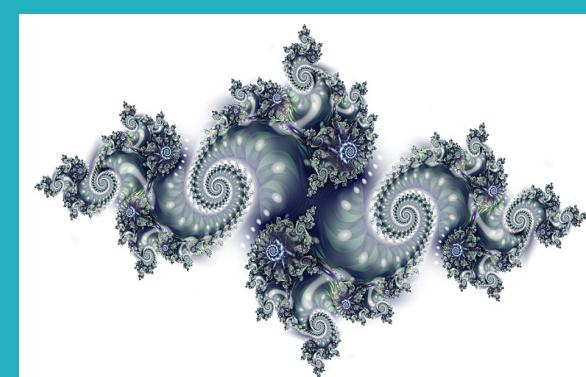


## Feature

## ◀ Iteration and Convergence



Open Problems

AskNRICH topical

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## Quickies



Plaiting and Braiding

## Epsilons



Stadium Sightline

## Reading choice



Designing Table Mats

## Related

More on net.goths from the NRICH archive here:

- ø [Net.goths go spiral](#)
- ø [The inner goth product](#)
- ø [Gothic space time](#)

**Pythagorean Fibs**

Stage: 5 Challenge Level: ★★

What have Fibonacci numbers got to do with Pythagorean triples?

**Fibonacci Fashion**

Stage: 5 Challenge Level: ★★

What have Fibonacci numbers to do with solutions of the quadratic equation  $x^2 - x - 1 = 0$  ?**Plus or Minus**

Stage: 5 Challenge Level: ★★★

Make and prove a conjecture about the value of the product of the Fibonacci numbers  $F_{n+1}F_{n-1}$ .

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The NRICH Project aims to enrich the mathematical experiences of all learners. To support this aim, members of the NRICH team work in a wide range of capacities, including providing professional development for teachers wishing to embed rich mathematical tasks into everyday classroom practice. More information on many of our other activities can be found here.



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