

Title

Subtitle

Authors

Institution

2024-05-12

1. Animation

Simple Animation

We can use `#pause` to

Meanwhile,

1. Animation

Animation

– Simple Animation

1. This is a speaker note.
2. You won't see it unless you use `#let s = (s.math.show-notes-on-second-screen)(self: s, right)`

Simple Animation

1. Animation

We can use `#pause` to display something later.

Meanwhile, we can also use `#meanwhile` to

Animation

– Simple Animation

1. This is a speaker note.
2. You won't see it unless you use `#let s = (s.math.show-notes-on-second-screen)(self: s, right)`

Simple Animation

1. Animation

We can use `#pause` to display something later.

Just like this.

Meanwhile, we can also use `#meanwhile` to display other content synchronously.

Animation

– Simple Animation

1. This is a speaker note.
2. You won't see it unless you use `#let s = (s.math.show-notes-on-second-screen)(self: s, right)`

Complex Animation

1. Animation

At subslide 1, we can

use `std::reserve` for reserving space,

use `std::shrink_to_fit` for not reserving space,

call `std::choose` multiple times `X` for choosing one of the alternatives.

Animation

— Complex Animation

Complex Animation

1. Animation

At subslide 2, we can

use `#uncover` function for reserving space,

use `#only` function for not reserving space,

use `#alternatives` function ✓ for choosing one of the alternatives.

Animation

– Complex Animation

Complex Animation

1. Animation

At subslide 3, we can

use `#uncover` function for reserving space,

use `#only` function for not reserving space,

use `#alternatives` function ✓ for choosing one of the alternatives.

Animation

– Complex Animation

Math Equation Animation

1. Animation

Animation

— Math Equation Animation

Touying equation with pause:

$$f(x) =$$

Here,

Touying equation with pause:

$$f(x) = x^2 + 2x + 1$$
$$=$$

Here, we have the expression of $f(x)$.

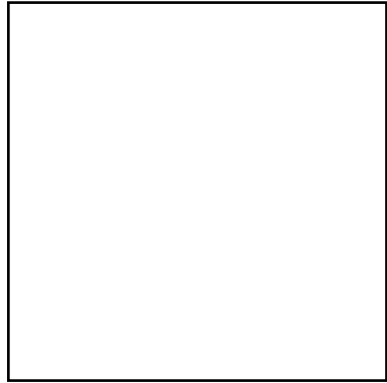
Touying equation with pause:

$$\begin{aligned}f(x) &= x^2 + 2x + 1 \\ &= (x + 1)^2\end{aligned}$$

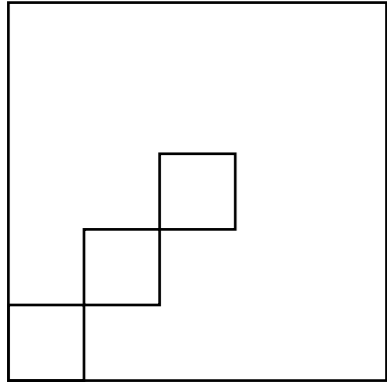
Here, we have the expression of $f(x)$.

By factorizing, we can obtain this result.

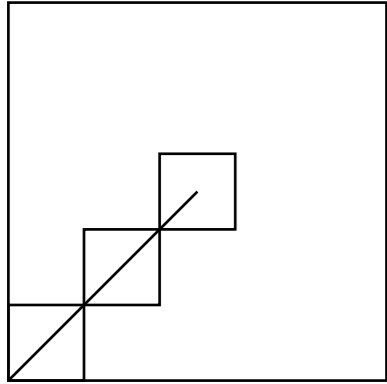
CeTZ Animation in Touying:



CeTZ Animation in Touying:



CeTZ Animation in Touying:



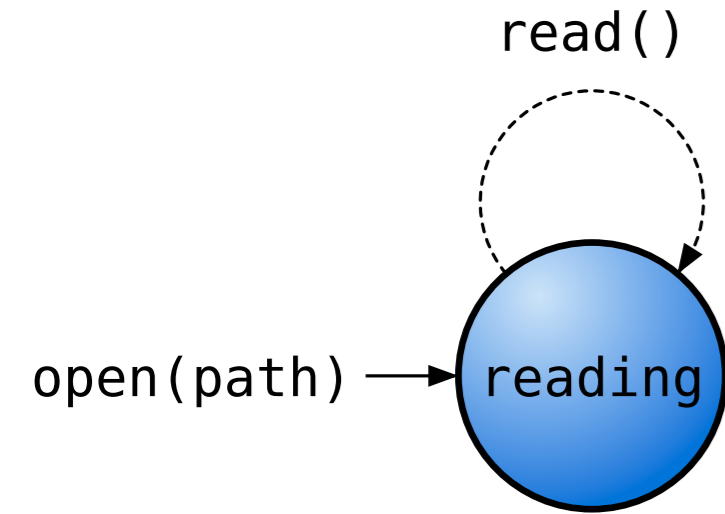
Fletcher Animation

1. Animation

Animation

– Fletcher Animation

Fletcher Animation in Touying:



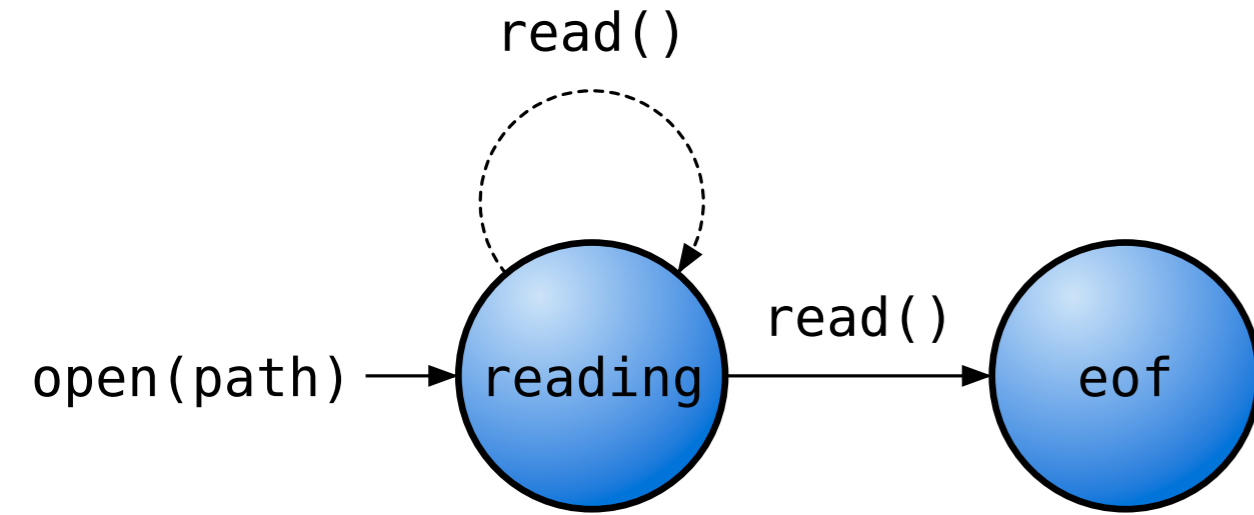
Fletcher Animation

1. Animation

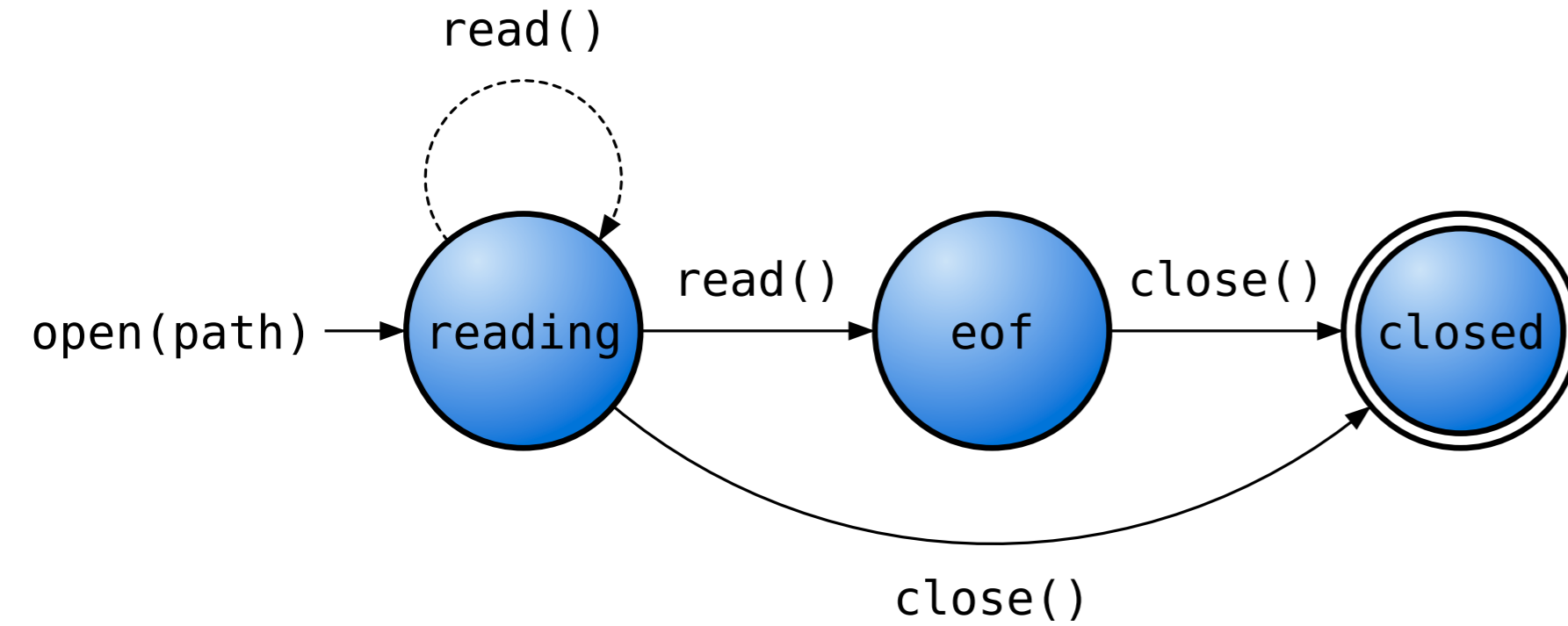
Animation

– Fletcher Animation

Fletcher Animation in Touying:



Fletcher Animation in Touying:



2. Theroems

Theroems

—

Definition 2.1: A natural number is called a *prime number* if it is greater than 1 and cannot be written as the product of two smaller natural numbers.

Example: The numbers 2, 3, and 17 are prime. Corollary 2.1.1 shows that this list is not exhaustive!

Theorem 2.1 (Euclid): There are infinitely many primes.

Proof: Suppose to the contrary that p_1, p_2, \dots, p_n is a finite enumeration of all primes. Set $P = p_1 p_2 \dots p_n$. Since $P + 1$ is not in our list, it cannot be prime. Thus, some prime factor p_j divides $P + 1$. Since p_j also divides P , it must divide the difference $(P + 1) - P = 1$, a contradiction. \square

Corollary 2.1.1: There is no largest prime number.

Corollary 2.1.2: There are infinitely many composite numbers.

Theorem 2.2: There are arbitrarily long stretches of composite numbers.

Proof: For any $n > 2$, consider

$$n! + 2, \quad n! + 3, \quad \dots, \quad n! + n \quad \square$$

3. Others

Others

—

Side-by-side

First column.

Second column.

3. Others

Others
— Side-by-side

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet, ut et voluptates repudiandae sint et molestiae non recusandae. Itaque

earum rerum defuturum, quas natura non depravata desiderat. Et quem ad me accedis, saluto: 'chaere,' inquam, 'Tite!' lictores, turma omnis chorusque: 'chaere, Tite!' hinc hostis mi Albucius, hinc inimicus. Sed iure Mucius. Ego autem mirari satis non queo unde hoc sit tam insolens domesticarum rerum fastidium. Non est omnino hic docendi locus; sed ita prorsus existimo, neque eum Torquatum, qui hoc primus cognomen invenerit, aut torquem illum hosti detraxisse, ut aliquam ex eo est consecutus? – Laudem et caritatem, quae sunt vitae.

Please pay attention to the current slide number.