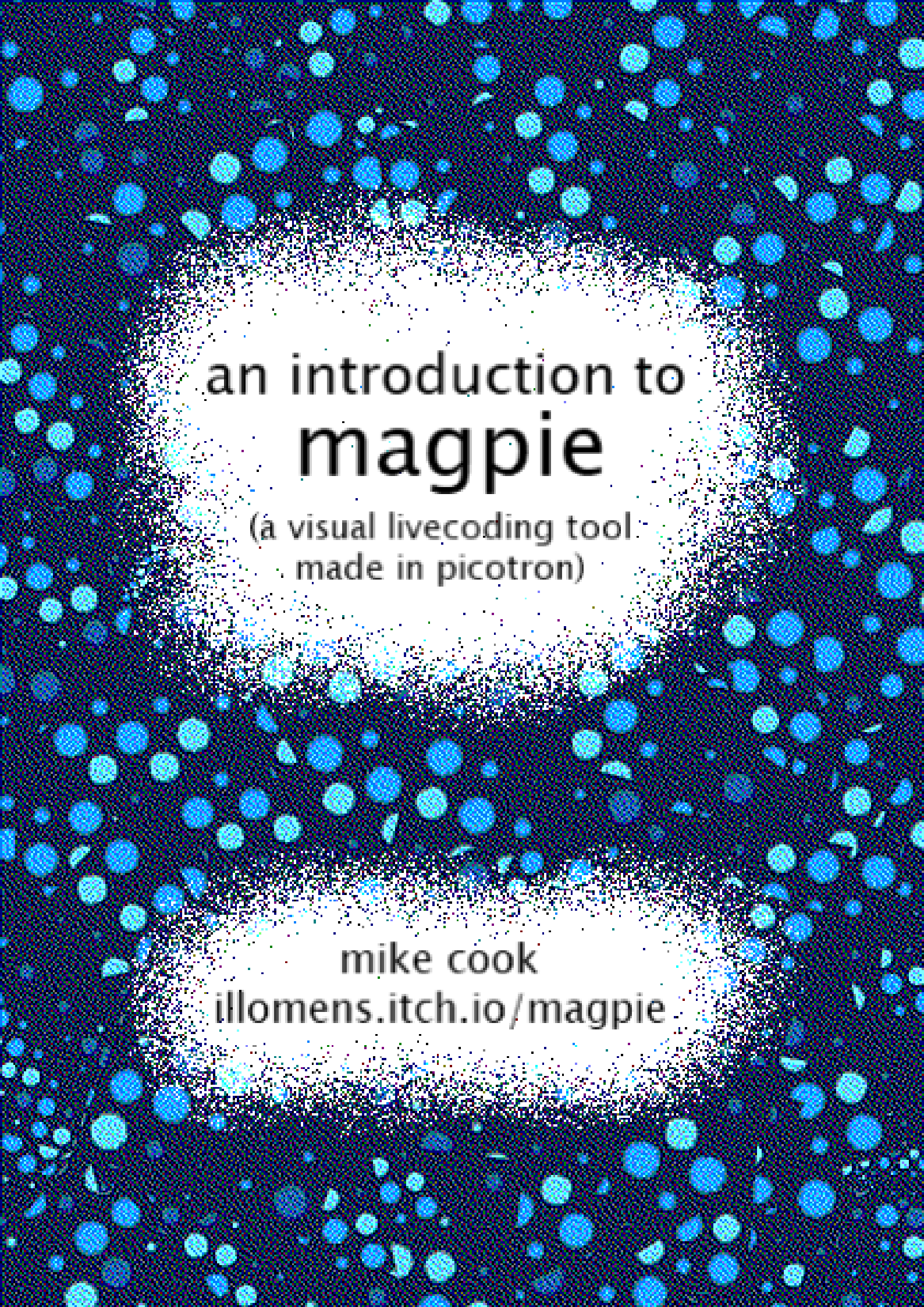




an introduction to maggie

(a visual livecoding tool
made in picotron)

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magpie is a free tool for making art with code. it runs in browsers, on windows, mac and linux, and on something called picotron.

in general you shouldn't scan
qr codes from random
people i guess



i'm cool though dw

you can scan this code or go
to illomens.itch.io/magpie

-- draw() code

when you start nagpie
you'll see a blank
screen like this.
this is where we
write our code.

let's make something!
type:

cls(14)

nagpie is lazy and
won't do anything
until we tell it to.
we can tell it to run
our code by pressing:

CTRL + ENTER

```
-- draw() code
```

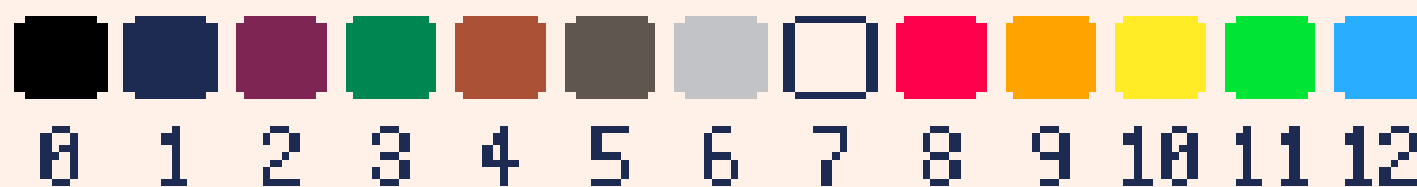
```
cls(14)
```

whoaaa! you did it!
well done :)

this code tells
nagpie to clear (CL)
the screen (S) - it's
called CLS for short.

the number 14 is the
number for the colour
pink. to see the
nagpie colour
palette, hold down
the TAB key:

Color Palette



```
-- draw() code
```

```
cls(14)
```

nagpie has lots of other FUNCTIONS (we call things like `cls()` a function) that you can use. try typing this out:

```
circ(100,100,30,12)
```

```
spr(15,100,100)
```

The top line draws a circle, and the bottom line draws a sprite from nagpie's catalogue.

Remember to press CTRL+ENTER to run your code!

Then try changing the numbers and re-running!

```
-- draw() code
```

```
cls(14)
```

ok since you're a pro
now i can let you in on
a very advanced
technique. we can make
our art MOVE and CHANGE!

```
circ(100,100,t1()*100,12)
```

(don't forget to hit CTRL+ENTER)

whoa! t1() is a timer
that is always ticking,
and the third number
says how big the circle
is. so as the timer
ticks, the circle gets
bigger!

what happens if you use
t1() for some of the
other numbers?

```
-- draw() code
```

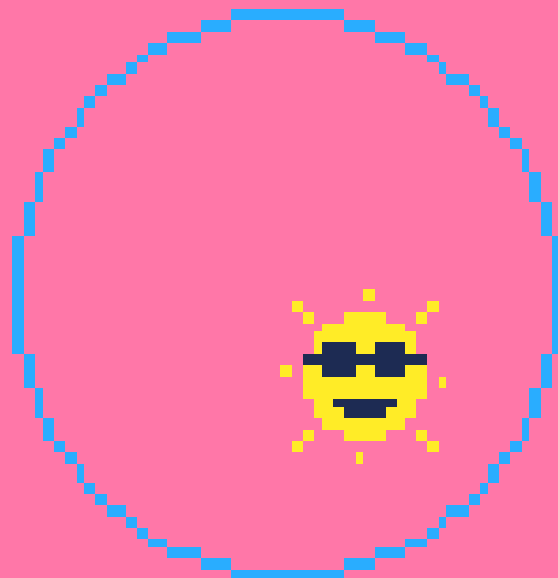
```
cls(14)
```

```
circ(100,100,t1()*100,12)
```

```
spr(15,100,100)
```

ok one last thing.
remember the first
line we wrote?
cls(14)?

let's mess
that up a
bit.



change it to:

```
dccls(4000,14)
```

and of course, hit
CTRL+ENTER again to run.
whoa! look at how funky
that looks just with
three lines of code.

i hope you have fun making a mess with magpie! if you want some examples to look at, type `demo()` into magpie and run (CTRL+ENTER) and it'll pick a random one for you.

for more docs and info and other stuff, go to illomens.itch.io/magpie

and if you want to show me what you use it for, i'd love that. i'm @mtrc on most websites :)