

Do
you still insist on self-expression
when it is not being understood?

Inspiration

People always think that if they say what they want to say, others will understand. As an expresser, do you stop expressing yourself when you are in this situation because you are not being understood? As a listener, do you lose patience because you don't understand? There will always be people who are not being understood, that's normal. But the courage to still choose to express oneself is to be respected, and that is the greatest reward of self-expression. This project is to explore with the audience one question, how to understand the relationship between self-expression and understanding?

The process of
expression is a
growth

A B C D E
F G H I J
K L M N O
P Q R S T
U V W X Y
Z

Self-expression
& understanding

Experiment

Processing

Match each of the 26 letters of the alphabet with different sounds. For this experiment, I used the 26 piano key notes. By programming an interactive effect, the input text is transferred to music.

Content

First define the entire program, then match the letters to the audio, and finally use the two for loops to define how the entire program will operate.

Sound Visualisation (Digital)

1. Using touch designer the music is transformed into a graphic that is recognized by the audio device in, thereby creating an abstract, real-time dynamic graphic.

2. Controlling the speed of the video through the audio and using beats detection to influence (accelerate) the speed. This results in a different kind of visualization.

The next page includes screenshots of the experiment.

```
vh2
import ddf.minim.*;
Minim minim;
AudioPlayer [] musiclist;
String cl="ABCDEFGHGIJKLMNOPQRSTUVWXYZ";
String[] lines;

void setup(){
  minim = new Minim(this);

  musiclist=new AudioPlayer [26];

  for (int i=1;i<27;i++){
    musiclist[i-1] = minim.loadFile("./music/key"+i+".mp3");
  }

  lines = loadStrings("data.txt");

  println(lines[i]);
}
musiclist[0].play();
noLoop();
}

void draw(){

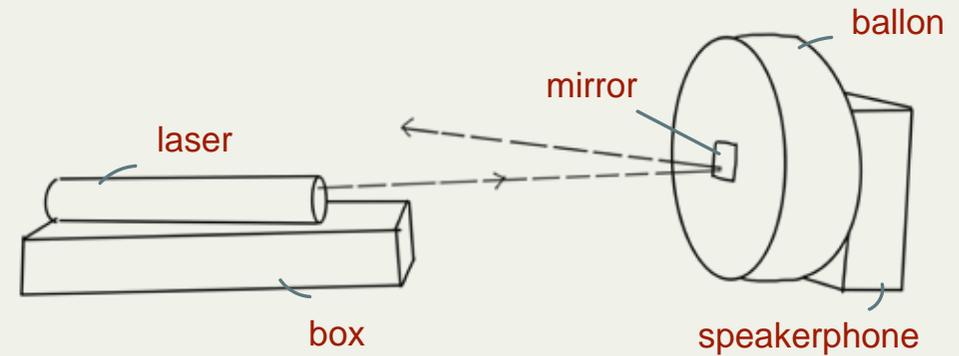
  for (int i = 0 ; i < lines.length; i++) {
    for (int j = 0 ; j < lines[i].length(); j++) {
      println(cl.indexOf(String.valueOf(lines[i].charAt(j)).toUpperCase()));
      int ck=cl.indexOf(String.valueOf(lines[i].charAt(j)).toUpperCase());

      if(ck!=-1){
        musiclist[ck].rewind();
        musiclist[ck].play();
      }
      delay(1000);
    }
  }
}
```

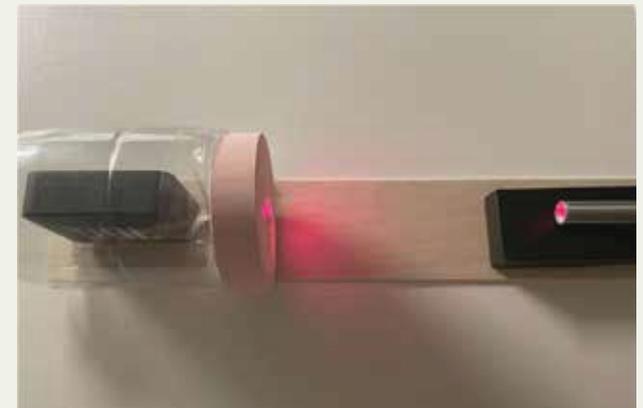
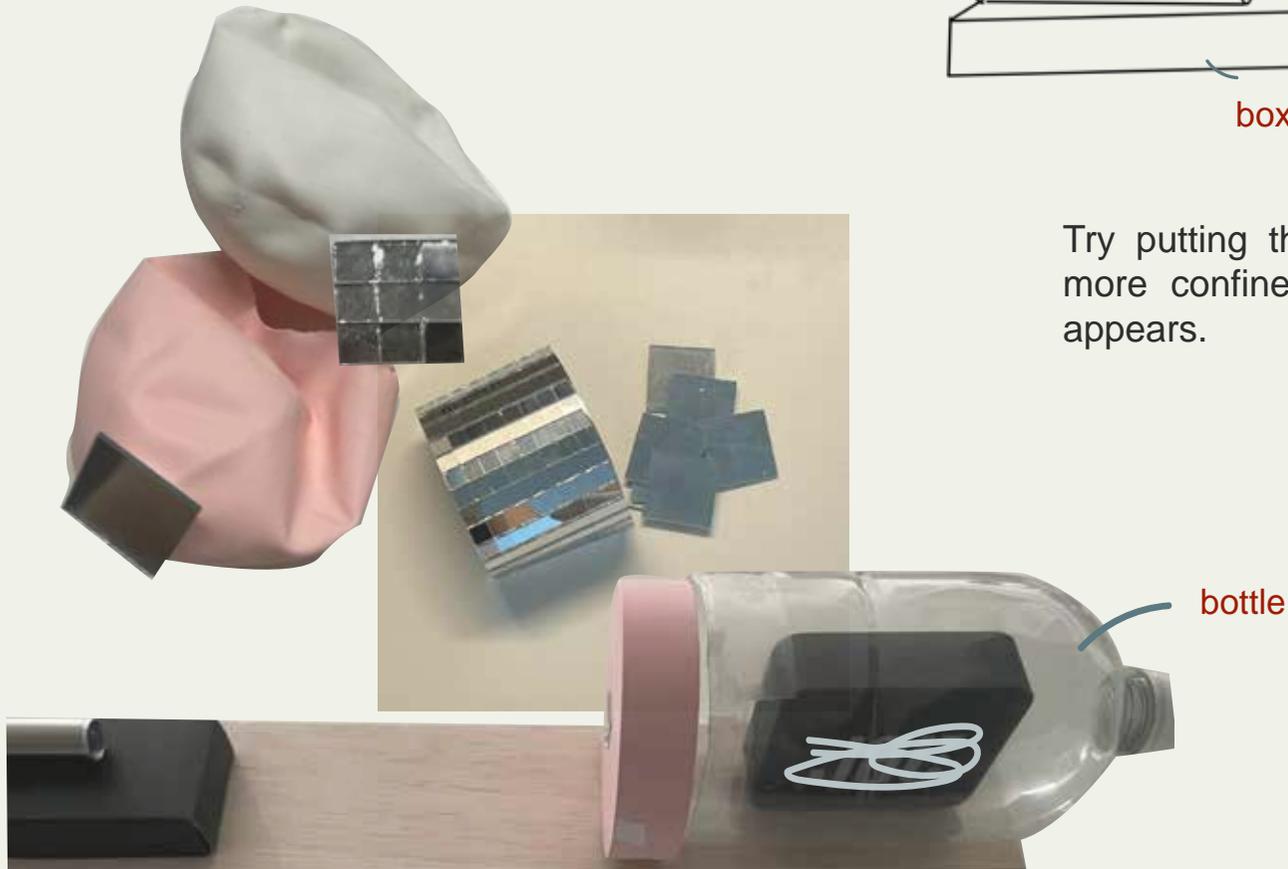

Experiment

Sound Visualisation (Physical)

Using the refraction of light and the vibration of the audio, creating some random patterns. Comparing the refraction effect of whole glass with spliced glass.

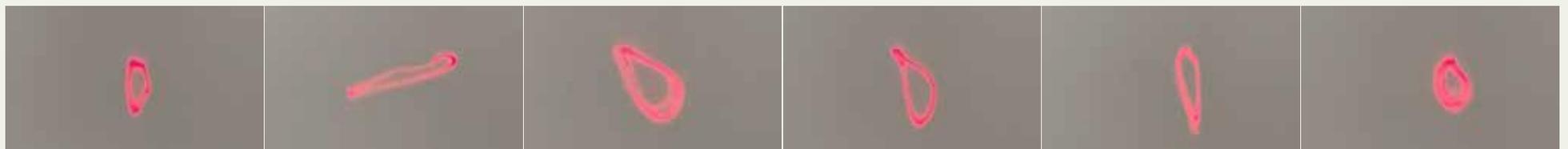
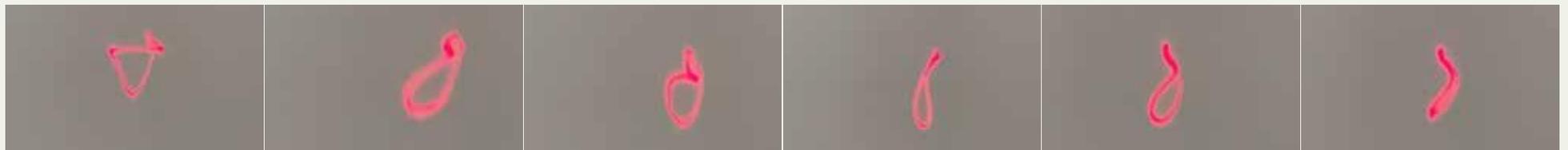
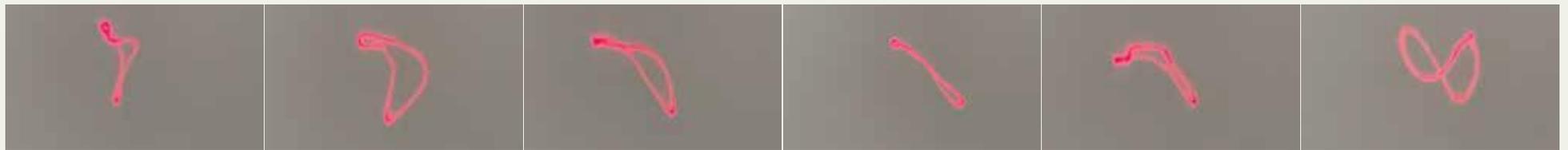
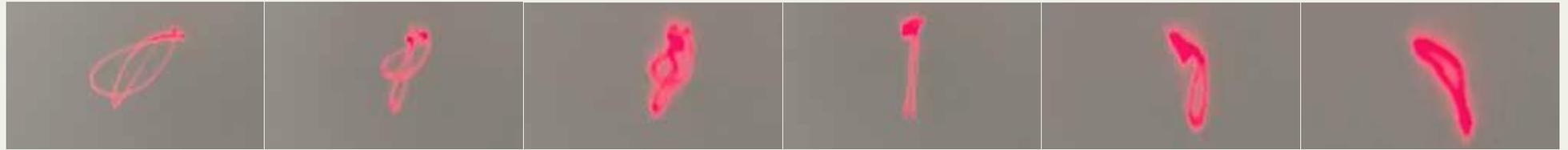
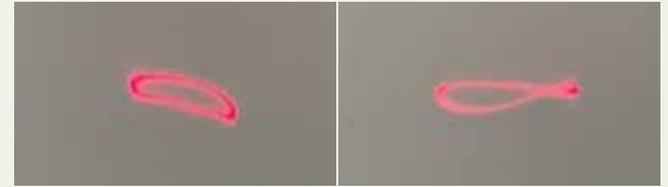


Try putting the stereo into an enclosed bottle. The more confined the space, the clearer the pattern appears.



Sound Visualization Fonts

Intercept the clearest part of the video to create a new alphabet.



sketch

A	B	C	D	E	F		
G	H	I	J	K	L		
M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z		

New Alphabet

Normative font sketches, Extracting the outline of the pattern from the screenshot. Uploading them to www.calligraphr.com to create my own fonts.

Font files

[Myfont1-Regular.ttf](#) [Myfont1-Regular.otf](#)

Preview

Font preview size

ALPHABET SIZE COMPARISON

Click into the text to add your own text.

ALPHABET SIZE COMPARISON

This allows you to compare the size of the characters in your font to other fonts. If the size of your characters is not appropriate, you can change it via 'Edit Font Details' > 'Font size' and then re-build the font.

A	A	B	B	C	C	D	D	E	E	F	F	G	G	H	H	I	I	J	J	K	K	L	L
M	M	N	N	O	O	P	P	Q	Q	R	R	S	S	T	T	U	U	V	V	W	W		
X	X	Y	Y	Z	Z																		

Because of slight variations in volume, angle and other factors, the typography has a certain randomness to it and the shapes produced will be different each time.

Scenes

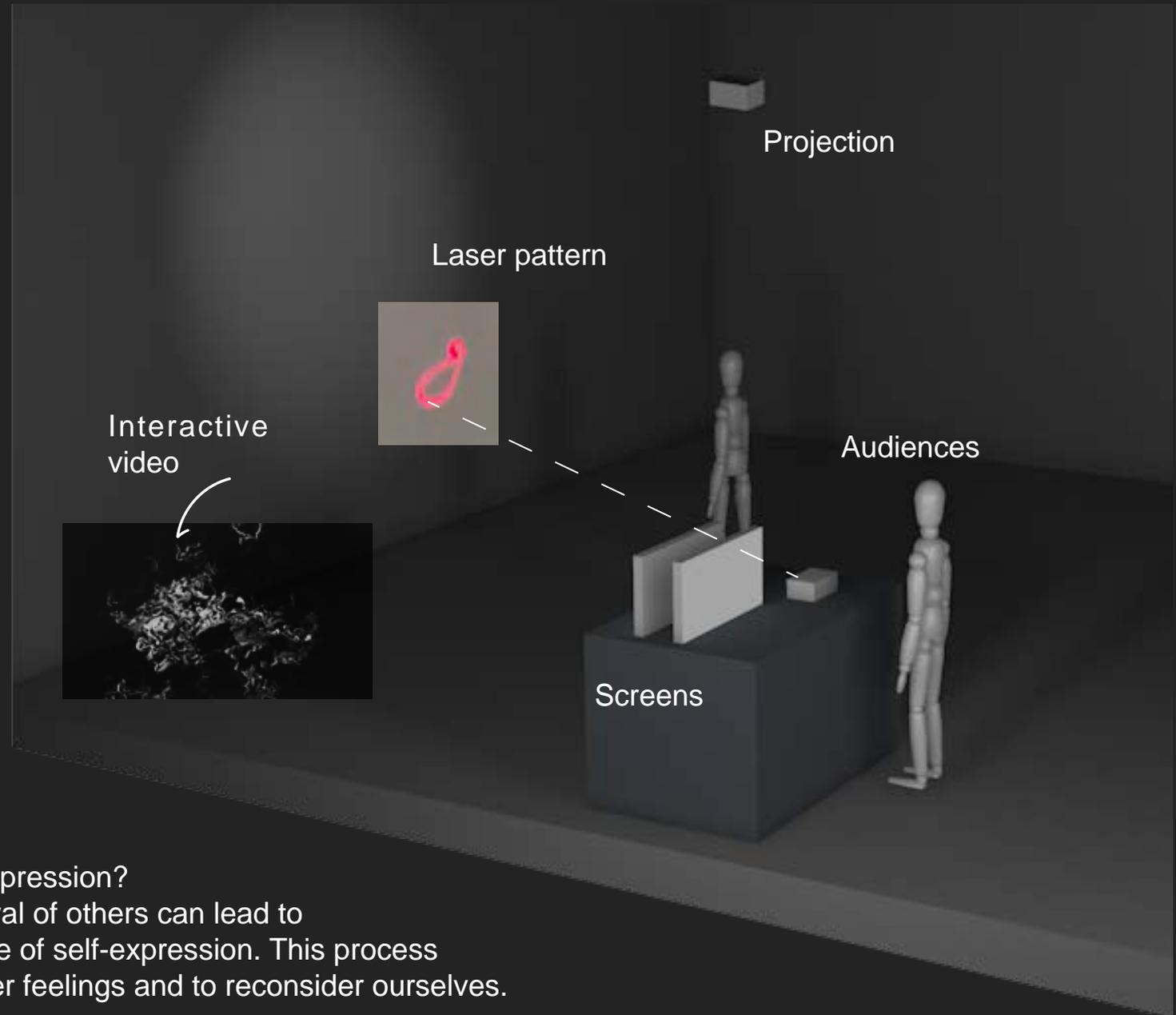
The audience input what they want to express, into the computer.

Through programming, a random piece of music is created.

Using sound visualization, the random pattern with light is projected onto the wall.

Through a transformation to restore a situation.

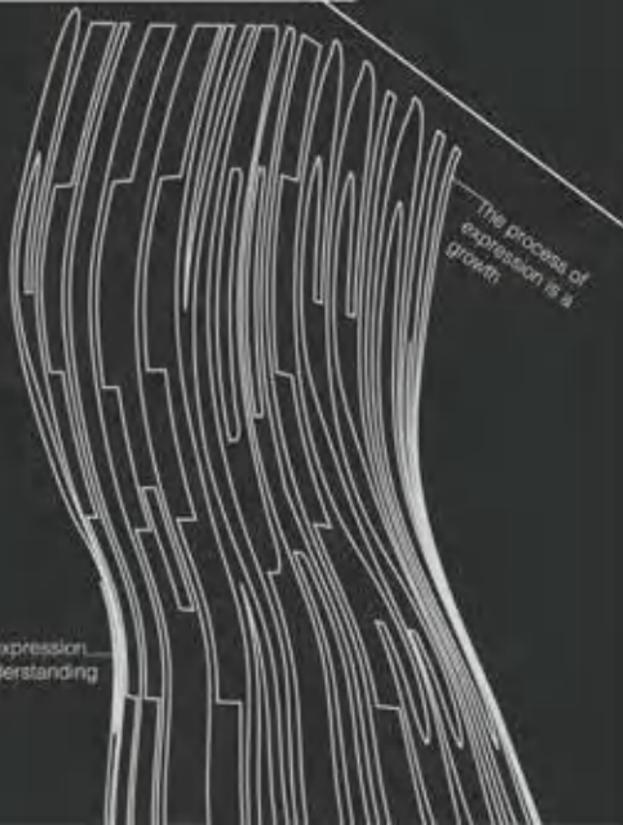
Sometimes, only you can understand what you want to express. But others cannot understand.



So in this situation, will you insist on the choice of self-expression?

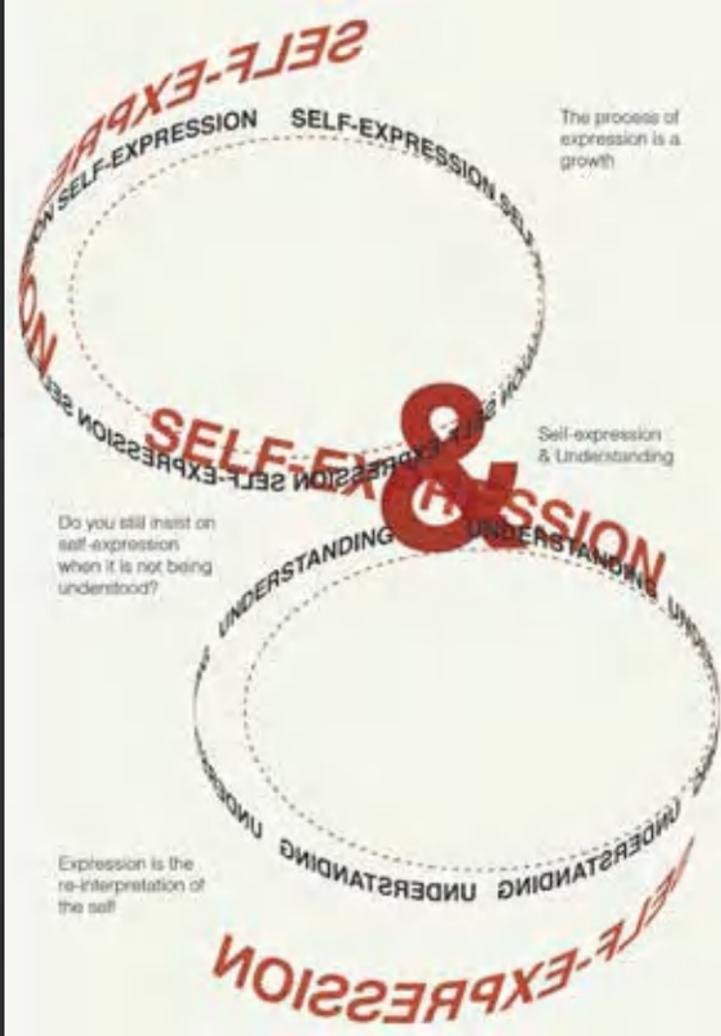
An over desire for the approval of others can lead to forgetting the original purpose of self-expression. This process allows us to confront our inner feelings and to reconsider ourselves.

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The process of expression is a growth

Self-expression & understanding



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Self-expression & Understanding

Do you still insist on self-expression when it is not being understood?

Expression is the re-interpretation of the self

NEW ALPHABET



Posters