Marble Machine

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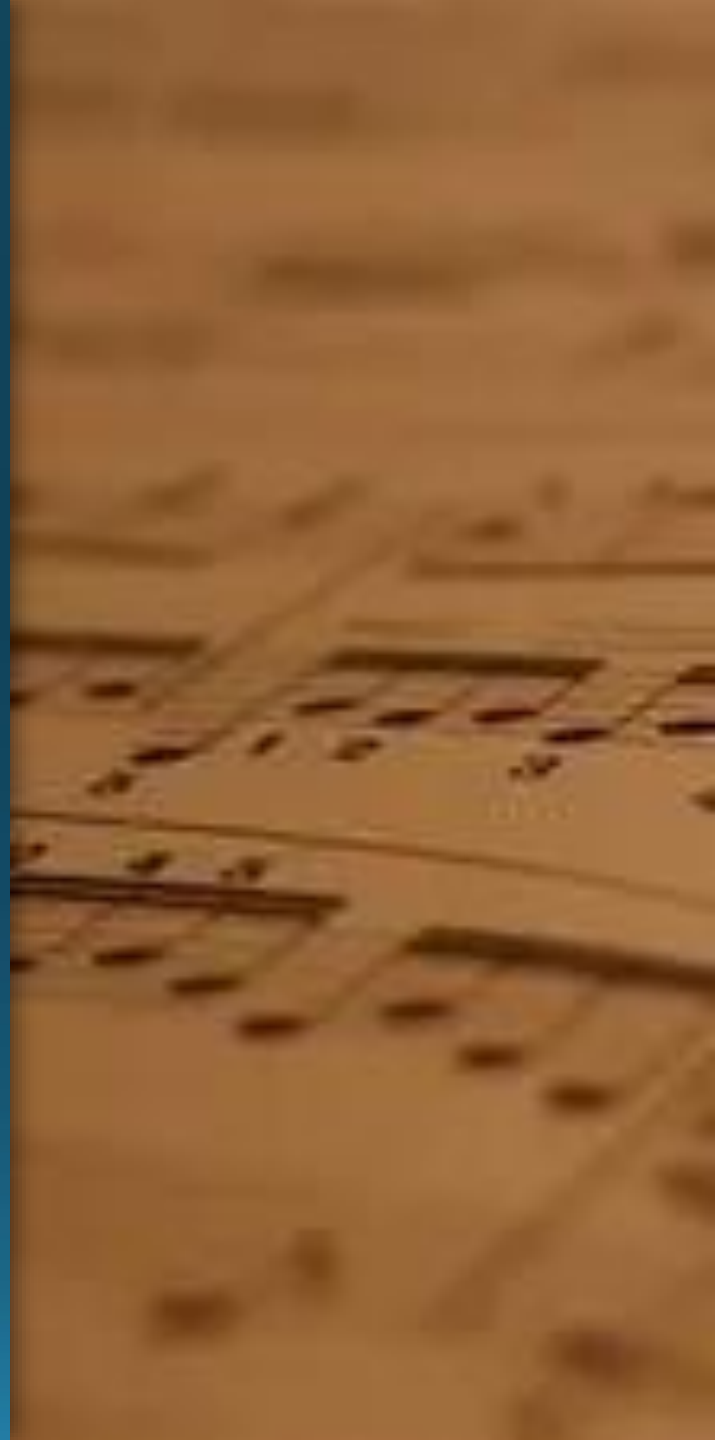
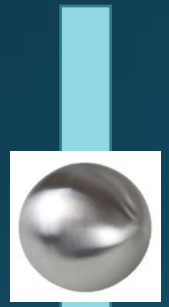
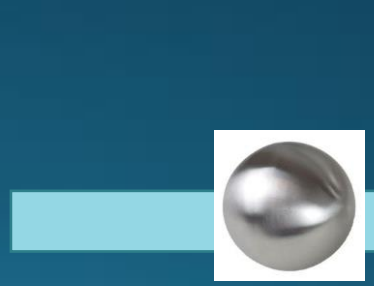


La marble machine, c'est quoi ?



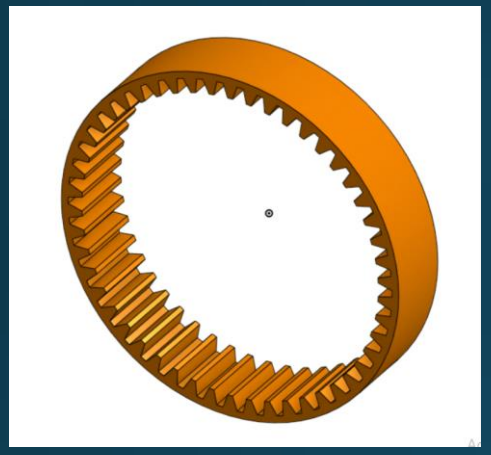


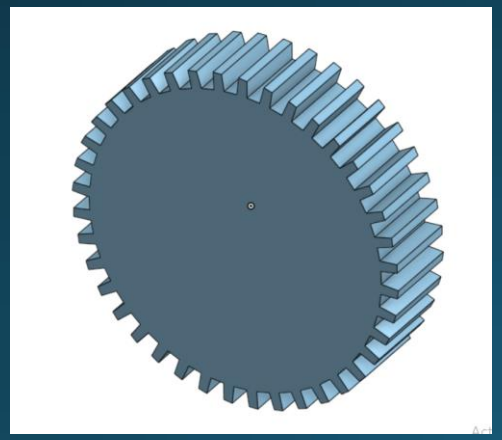
Pourquoi la Marble Machine ?

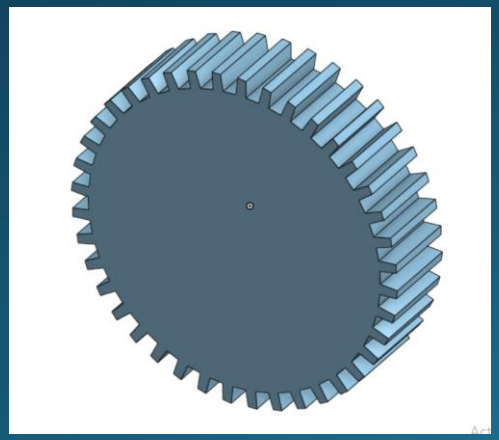
Idée du projet

Comment ça fonctionne ?

L'ascenseur

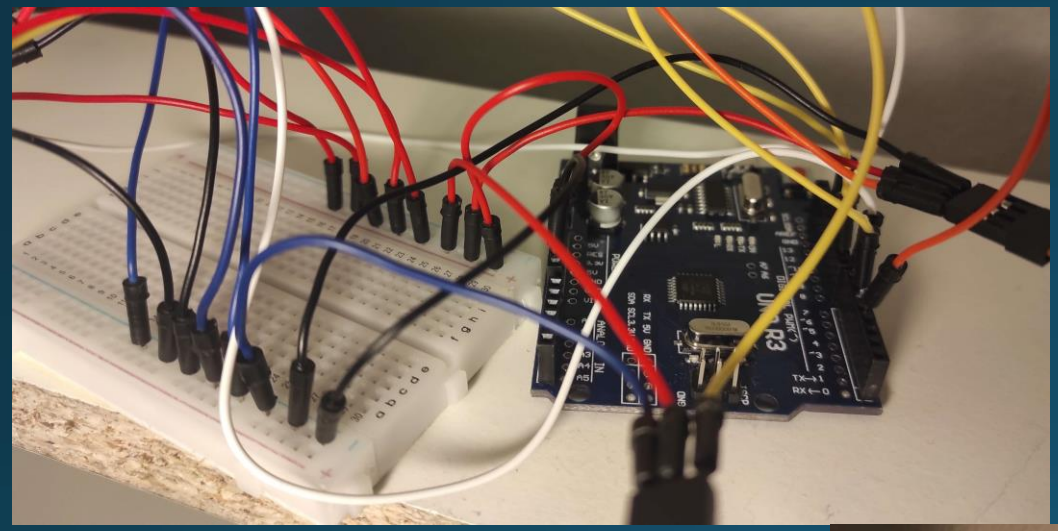


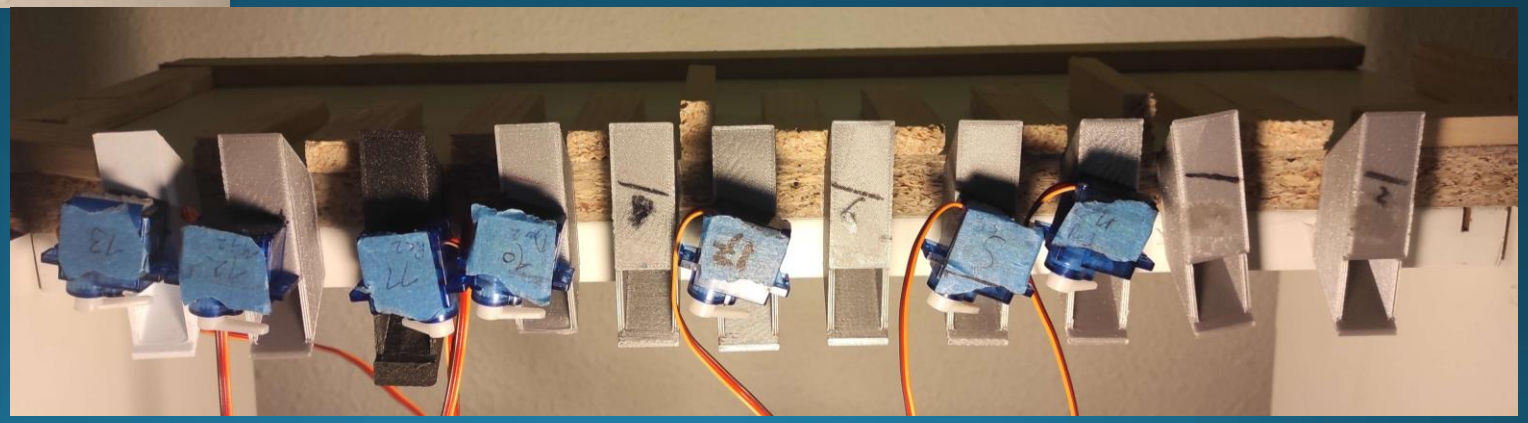




Comment ça fonctionne ?

Les servomoteurs





Comment ça fonctionne ?

Le programme

```
//120 bpm, noire = 500ms, croche=250ms, double=125ms
#include <Servo.h>
Servo Si3;
Servo Do3;
Servo Re3;
Servo Mi3;
Servo Fa3;
Servo Sol3;
Servo La2;
Servo Si2;
Servo Do2;
Servo Re2;
Servo Mi2;
```

```
void setup() {
  Si3.attach(12);
  Do3.attach(11);
  Re3.attach(10);
  Mi3.attach(9);
  Fa3.attach(8);
  Sol3.attach(7);
  La2.attach(6);
  Si2.attach(5);
  Do2.attach(4);
  Re2.attach(3);
  Mi2.attach(2);


  Si3.write(100);
  Do3.write(100);
  Re3.write(100);
  Mi3.write(100);
  Fa3.write(100);
  Sol3.write(100);
  La2.write(100);
  Si2.write(100);
  Do2.write(100);
  Re2.write(100);
  Mi2.write(100);
```

```
void loop() {
  Mi2.write(AngleMi2);
  delay(PauseMi2);
  Mi2.write(100);
  delay(500);

  Si3.write(AngleSi3);
  delay(PauseSi3);
  Si3.write(100);
  delay(250);
```

Démonstration

Conclusion

- Ce que le projet nous a appris.
- Les pistes d'améliorations pour éventuellement terminer le projet.