

Running up walls

(Writing right now...)

This code will simulate the player running up walls.
Since code ends up being too large and thus confusing, i'm dividing it in parts.

1. How it works

This feature uses areas to determine where the wall is and to detect when the player jumps to it.
Using the function *AddPlayerBodyForce* i can simulate the force of each leg running up.

To get the interval between steps, i'm using *Timers*.

This is how the code looks like now:

We declare the area collision: (*AreaWall1* is the area covering the wall and *WallRunCollide* is the function.)

```
void OnStart {
    AddEntityCollideCallback( "Player", "AreaWall1", "WallRunCollide",
false,  );
}
```

And this is the function that triggers when the players collides with the area:

```
void WallRunCollide ( string &in p, string &in c, int s ) {
    AddPlayerBodyForce( , 20000, , false );
}
```

2. Adjusting code

BodyForce function uses large numbers, so i'm using a variable instead:

```
void WallRunCollide ( string &in p, string &in c, int s ) {
    float M = 10000;
    AddPlayerBodyForce( , 2*M, , false );
}
```

This will push the player up just once, so i'm adding a *Timer+Loopto* repeat the impulse (5 times):

```
void WallRunCollide ( string &in p, string &in c, int s ) {
    float i = 0.25; int n = 5; float r = ;

    for ( int v = 1; v <= n; v++ ) {
        AddTimer ( "", r, "RunOnMe" );
        r = r +i;
    }
}
```

As you can see, the content changed, i moved it to another new function.

I added 3 variables, interval, number and a counter.

These are used in the *for loop*.

This loop will set a *Timer* to call the function "*RunOnMe*" *n* times, on an interval of *i* seconds.

Below is the new function i created that the *Timers* will trigger:

```
void RunOnMe ( string &in t ) {  
    float M = 10000;  
    AddPlayerBodyForce( , 2*M, , false );  
}
```

This is supposed to be a step, i'm adding a sound:

```
void RunOnMe ( string &in t ) {  
    float M = 10000;  
    AddPlayerBodyForce( , 2*M, , false );  
    PlayGuiSound( "step_run_female_rock.snt", 0.4 );  
}
```

asd

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