First Load





Note: Negative charges repel each other. Sonnification should try to reflect this.


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If there are enough charges, and finger is close enough - discharge happens.



## Degrees of Arm Movement

The arm moves around in a circle divided up into 60 stops. The user can increase the rate in which they traverse the circle by holding down a modifier key (the "accelerator key") while pressing an arrow key. For each arrow press while the accelerator is held, the arm moves in 5 stop intervals.

The circle is divided in a similar manner as a clock face which may be of use in future text descriptions.


## Degrees of Arm Movement with Accelerator



Degrees of arm movement with just accelerator key depressed.

While the user has the accelerator key depressed, pressing the left / up, right / down arrow keys will make the arm move in $1 / 12$ increments instead of the default $1 / 60$ increment.

Each time the arm is moved, the description of the arm position is updated.
"Hand is neither far or close to the doorknob."

"Hand is neither far or close to the doorknob."

## Degrees of Arm Movement <br> Detail



Degrees of arm movement with just arrow keys.

Pressing the left / up, right / down arrow keys will make the arm move in $1 / 60$ increments around the circle.

As the arm:

- moves closer to the doorknob, a note is played with increasing pitch.
- moves away from the doorknob, a note is played with decreasing pitch.
- lands on each denoted mark, the description of the arm position is updated.


User will hear the textual feedback at these points.
"Hand is neither far or close to the doorknob."

"Hand is neither far or close to the doorknob."

## Degrees of Leg Movement

The leg moves around in a half circle divided up into 30 equal stops. The user can increase the rate in which they traverse the circle by holding down a modifier key (the "accelerator key") while pressing an arrow key. For each arrow press while the accelerator is held, the leg moves in 5 stop intervals.


Degrees of leg movement with just arrow keys.



Degrees of leg movement with accelerator key depressed.


