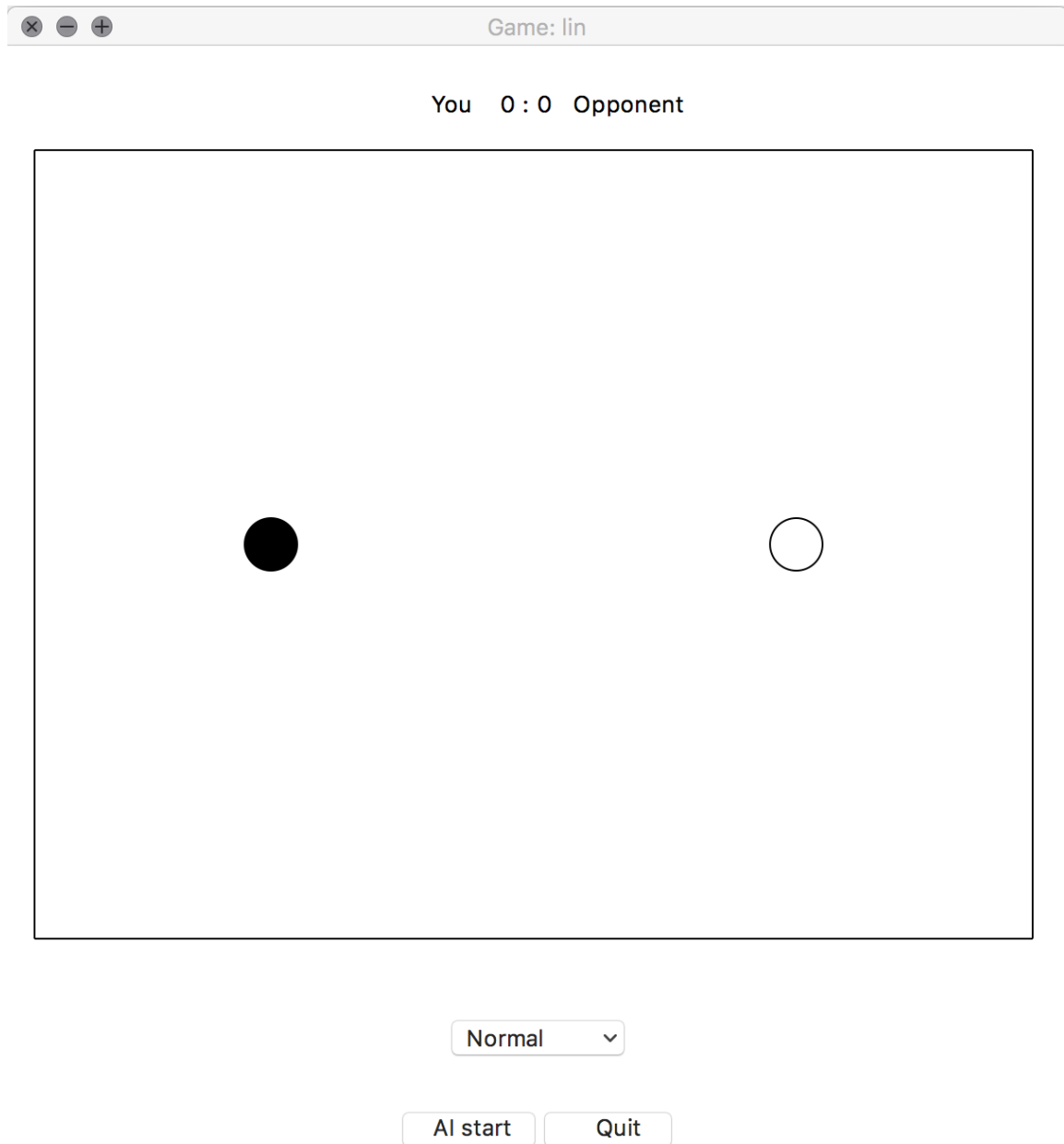


# Introduction of Ball-Hitting Game

*by Shenghao Lin and Chaorui Wang*

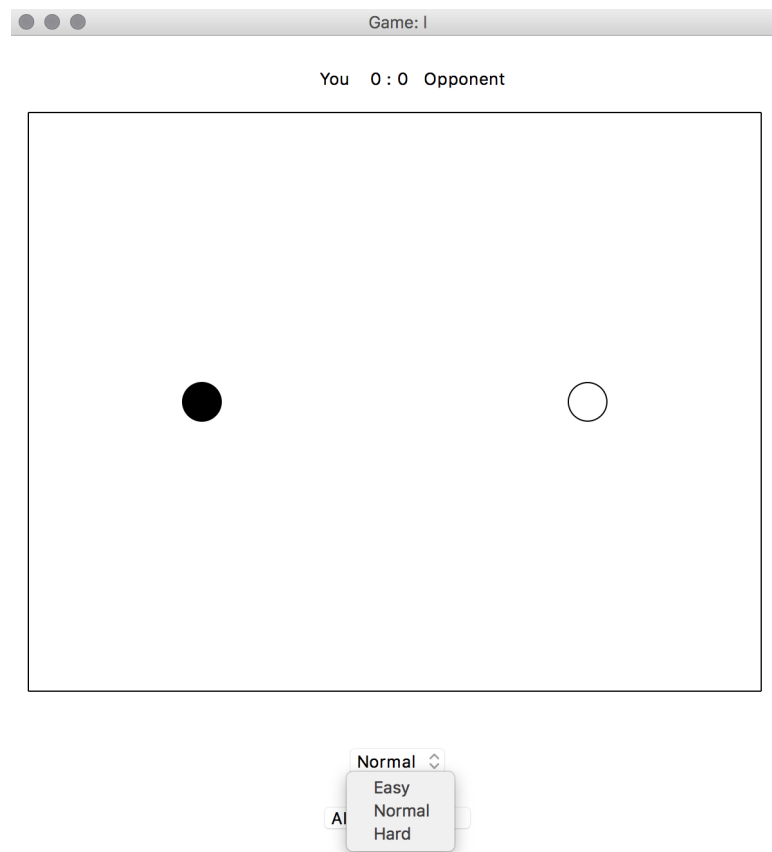


## Overview:

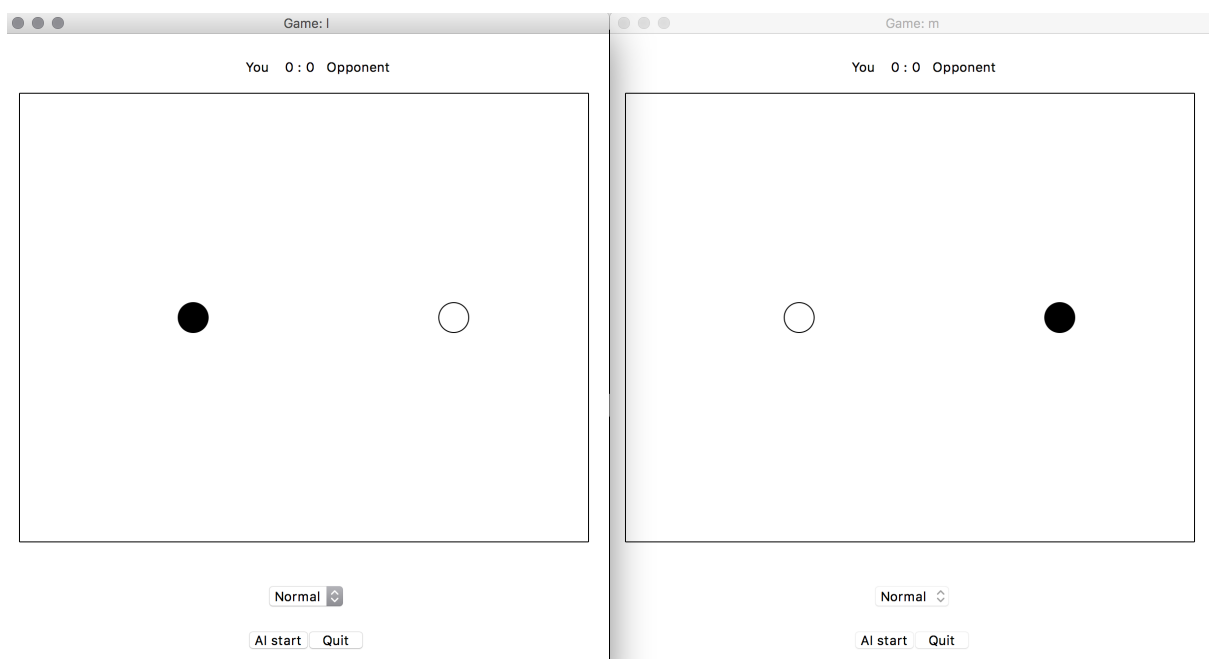
- The aim of the game is to hit the other ball out of the screen, by controlling the move of your own ball.
- Using keyboard to control (accelerate the ball).
- Newton's Laws apply for the game. There is a simple physics engine written in the game.

## Game Modes:

- Playing offline with a friend, and hit his/her ball out of the screen! Using different control settings ('WASD' and 'IJKL' for up, left, down and right commands).
- Playing offline with AI of different difficulty.



- Playing online with a friend who is also connected to chat\_server. Enjoy the same game in different clients!



## Other Features:

- Friend invitation: You can send a invitation to your friend who is also connected to chat\_server and your friend will choose to accept or refuse the request.

```
[Shenq-Haw:up3 Shenghao$ python chat_cmdl_client.py
Welcome to ICS chat
Please enter your name:
l

++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

Welcome, l!
g m
Waiting for the other player's response...
|

UP3 — python chat_cmdl_client.py — 105x26

Last login: Thu May 12 01:09:21 on ttys001
[Shenq-Haw:~ Shenghao$ cd documents
[Shenq-Haw:documents Shenghao$ cd up3
[Shenq-Haw:up3 Shenghao$ python chat_cmdl_client.py
Welcome to ICS chat
Please enter your name:
m

++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

Welcome, m!
l invites you to play the game together!
(Reply 'Yes l' to accept. Reply 'No l' to decline.)
Yes l|
```

```
[Shenq-Haw:up3 Shenghao$ python chat_cmdl_client.py
Welcome to ICS chat
Please enter your name:
l

++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

Welcome, l!
g m
Waiting for the other player's response...
Your game request is refused.
|

UP3 — python chat_cmdl_client.py — 105x

Last login: Thu May 12 01:09:21 on ttys001
[Shenq-Haw:~ Shenghao$ cd documents
[Shenq-Haw:documents Shenghao$ cd up3
[Shenq-Haw:up3 Shenghao$ python chat_cmdl_client.py
Welcome to ICS chat
Please enter your name:
m

++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

Welcome, m!
l invites you to play the game together!
(Reply 'Yes l' to accept. Reply 'No l' to decline.)
No l|
```

- Game History: By "h \_\_peer\_\_" command, you can easily find all game results between you and \_\_peer\_\_. Game result against computers are also available!

```
++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

h m
3 : 0
1 : 0
0 : 0
|
```

```
++++ Choose one of the following commands
time: calendar time in the system
who: to find out who else are there
c _peer_: to connect to the _peer_ and chat
g _peer_: to play ball game with _peer_ (can play by yourself)
h _peer_: to check the game history with _peer_
? _term_: to search your chat logs where _term_ appears
p _#_: to get number <#> sonnet
q: to leave the chat system

h Computer
2 : 0
5 : 0
2 : 1
3 : 0
1 : 4
```