

# 距離之歌

Song of Distances

操作說明  
Instruction



## 距離之歌

Song of Distances

<https://chipohao.com>

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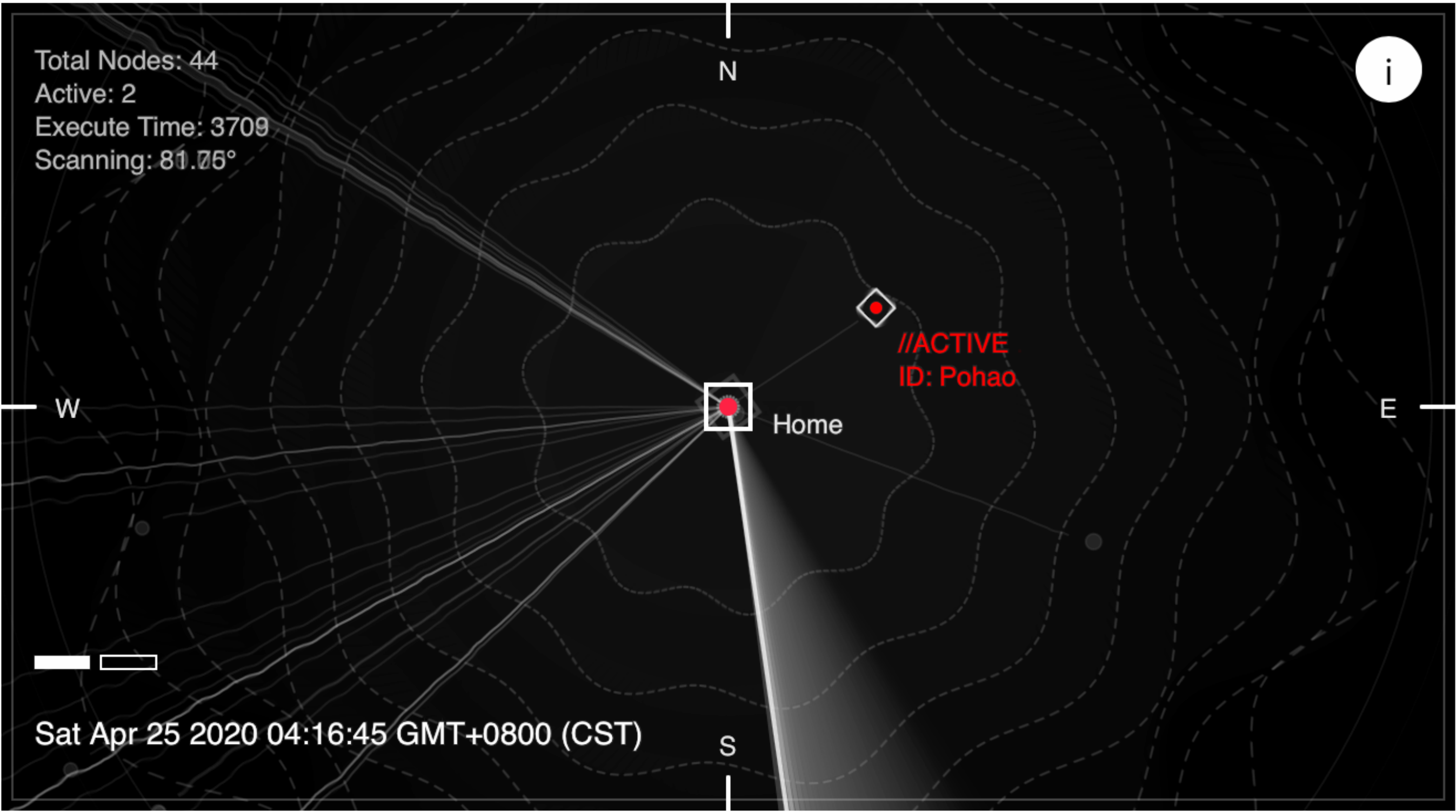


1. 掃描QR code開啟網頁，依循指示授權系統取用行動裝置的定位資料。
2. 網頁上會以拓撲座標顯示所有歷史連線與您手中裝置的相對距離與方位。
3. 連線裝置將掃描周遭節點並觸發樂音，同時也被其他裝置偵查。
4. 您可於任何地點開啟網頁來連接此作品；關閉網頁則會離線。

備註：使用者必須開啟行動裝置的GPS與網路定位服務來參與作品。

1. Scan the QR code to open a webpage. Follow the instruction to authorize the positioning data of your mobile device.
2. The webpage displays a topographic coordinate with relative distance and direction of historical sessions and the device in your hand.
3. The connected device triggers the sound by scanning the surrounding nodes while being detected by other devices.
4. You can scan the QR code anywhere to reconnect to the system to affect the music through mobility; The node becomes offline after closed the webpage.

P.S. Users must open the GPS and Location Service on their devices to participate in this piece.



LAPTOP VIEW

Total Nodes: 8  
Active: 3  
Execute Time: 21549  
Scanning: 141.75°



W

E

N

S

harvard

//ACTIVE  
ID: hannah

//ACTIVE  
ID: manaswi

//ACTIVE  
ID: hyeonah

Wed Mar 11 2020 14:33:49 GMT-0400 (Eastern Daylight Time)

# Song of Distances, 2020

*Webpage, internet, computer, GPS, software, headphones*

“Song of Distances” is a generative music system based on ubiquitous computing. It focuses on the concept of compressed time and space by transforming the positioning information into audible events. Users become nodes in the topographic coordinate by opening a specific webpage on their mobile devices. The system is continuously calculating relative distances and orientations from the exhibition space to all nodes, according to GPS data returned by mobile devices, triggering a Dorian scale distributed in a spatial audio setting. Users can choose to close the webpage or keep it open when moving; all behaviors affect the parameters of generating music. Thus, the piece will gradually evolve with crowd participation.



## Instruction:

1. Scan the QR code and authorize the positioning request to connect with the system.
2. The screen shows relative distances and orientations from the exhibition space to all mobile devices in real-time.
3. If the user keeps the webpage open and moves to a distant location, the screen will indicate the displacement of the node; if the user closes the webpage, then the node will become offline.