Dear <<SubjectID>>,

(that will be your experimental ID, please use it whenever asked).

On behalf of the organizing team, be welcome and receive our sincere thanks for your willingness to participate in this study. Your contribution is essential to advance research on quantum analyzability and its practical applications.

Below, we explain how to access the forms required for the experiment. You are also provided with Annex I, which includes some support to facilitate the resolution of the specific tasks during the experimental tasks.

To begin, please access the following link and complete a demographic form. This step is essential to ensure the validity of the data collected in the study.

https://forms.gle/cqK7ZeaLB7jg1q4k7

After that, you need to complete the following forms of the study. You must respect the order provided:

1. <<Circ1>>
2. <<Circ2>>
3. <<Circ3>>
4. <<Circ4>>
5. <<Circ5>>

On the following page, you will find Annex I, containing some aid to translate and better understand the equivalences between the notation used in Qiskit (source code) and Quirk (drawings) quantum circuits. Please make sure to check it before and during the performance of the tasks, whenever you need to.

We thank you again for spending some of your valuable time participating in this study. Please do not hesitate to contact us with any questions during the session.

Annex I

- .h(target)

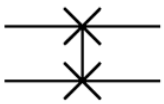
- .x(target)

- .y(target)

- .z(target)

- .s(target)

- .swap(target, target)

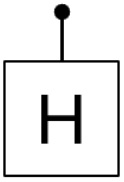


- .rx(control, target)

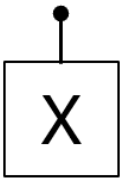
- .ry(control, target)

- .rz(control, target)

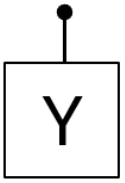
- .ch(control, target)



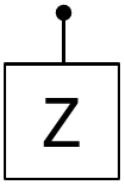
- .cx(control, target)



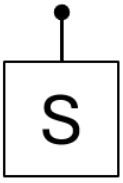
- .cy(control, target)



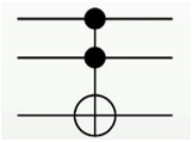
- .cz(control, target)



- .cs(control, target)



- .ccx(control, control, target)



- .measure(target qubit, target bit)