

# Section 03: Wigner Function

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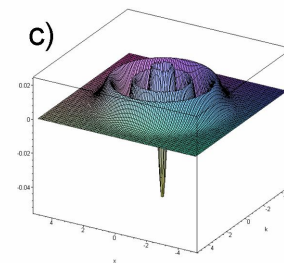
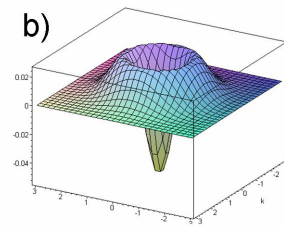
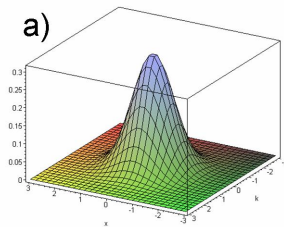
September 25, 2021

## Contents

The way I taught this part follows [this paper](#). So if you want to review it, you are encouraged to read it. What's more, if you want to learn more knowledge about the wigner function, you can set the references of that paper as your start point.

Examples:

- Number state  $|0\rangle$ ,  $|1\rangle$  and  $|5\rangle$



- An time evolved coherent state  
[../figs/wigner\\_func-coherent\\_state.gif](#)

- An cat state

`../figs/wigner_func-cat_state.gif`