第四次作业

请于**五月十日周五(校历第十二周)** 当堂上交本次作业。只收纸质版。晚交不收。可以与班上同学讨论合作,请参与合作的同学共同交一份作业,并署上所有参与者姓名。

- 1. Is there a non-constant real analytic function f on \mathbb{R}^2 satisfying the following properties?
 - (a) f vanishes on x-axis and y-axis;
 - (b) the fourier transformation \hat{f} of f has a compact support.