

PROGRAMME DU 50^e : MÉTHODES COMPUTATIONNELLES RIGOUREUSES ET TOPOLOGIQUES
POUR LA DYNAMIQUE EN GRANDE DIMENSION
« ATELIER SUR LA DYNAMIQUE DE CALCUL RIGOUREUSE DANS DES DIMENSIONS INFINIES »
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Computer-assisted proofs for the Orr-Sommerfeld equation

Yoshitaka Watanabe *

watanabe@cc.kyushu-u.ac.jp

This talk presents some computer-assisted proofs of solutions for the Orr-Sommerfeld equation describing hydrodynamic stability of the Navier-Stokes equations. Some numerical verification results and future works will be reported.

*Research Institute for Information Technology, Kyushu University, 744 Motooka Nishi-ku, Fukuoka,
Fukuoka 8190395, JAPAN