

## S. A. Maslowe 教授による講演会のお知らせ

以下の要領でセミナーを開催します。流体力学に興味をお持ちの方はご参加下さい。世界的な研究に接することのできるよい機会ですので、学生は積極的に参加して下さい。(問い合わせ先：応用数理工学科 藤村)

講演者：Prof. Sherwin A. Maslowe

Department of Mathematics, McGill University

題目：“Stability of Swirling Flows”

日時：3月2日(金) 午後1時より

場所：工学部 32 講義室 (電気電子棟 3 F)

概要：A swirling flow is one having both azimuthal and axial velocity components,  $V(r)$  and  $W(r)$ , say, with radial velocity  $U = 0$ . The stability of such flows is pertinent to many applications in engineering and meteorology such as tornadoes and the trailing vortices behind aircraft. In this seminar, the theorems governing the linear stability of such flows will be reviewed and some new numerical results will be shown. Finally, the theory governing the propagation of Kelvin waves with nonlinear critical layers will be outlined and a solution for the inviscid case will be presented.

