

**Remark on blow-up for the half Ginzburg-Landau-Kuramoto equation with rough coefficients**

KAZUMASA FUJIWARA

Mathematical Institute, Tohoku University, 6-3 Aoba,  
Aramaki, Aoba-ku, Sendai, Miyagi, 980-8578 Japan  
k-fujiwara@asagi.waseda.jp

In this talk, we study the blow-up for solutions to the half Ginzburg-Landau-Kuramoto equation with an ode argument. The key tools in the proof are appropriate commutator estimates and the essential self-adjointness of the symmetric uniformly elliptic operator with rough metric.