

# Seminário de Equações Diferenciais Parciais

**Palestrante:** Jáuber Cavalcante de Oliveira

Departamento de Matemática - UFSC

e-mail: jauber@mtm.ufsc.br

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**Local:** Sala 302 - Departamento de Matemática

## Decaimento $L^2$ de Soluções das Equações de Navier-Stokes

**Resumo:** Apresentaremos uma introdução à teoria de decaimento  $L^2$  de soluções fracas para as equações de Navier-Stokes em sua formulação incompressível. O escopo da discussão é o problema de Cauchy.

### Referências

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4. J. G. Heywood, The Navier-Stokes equations: On the existence, regularity and decay of solutions. *Indiana University Math J* 29, 641–681 (1980).
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6. T. Kato, Strong LP-Solutions of the Navier-Stokes equation in  $R^m$ , with Applications to Weak Solutions, Math. Z. 187, 471–480 (1984).
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