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**CICLO DE CONFERÊNCIAS DA UAMat**



**Título: “The topological algebra of Colombeau`s quaternions”**

**Palestrante:** **Antônio Ronaldo**

**Resumo:** We extend some algebraic and topological results obtained by Cortes-Ferrero-Juriaans, 2009, where they introduced and investigated the topological algebra of simplified generalized quaternions of Colombeau, denoted by Hs, for the algebra topological of Colombeau's full generalized quanternion, denoted by **H**. In this work, some algebraic results due to Vernaeve, 2010, these results which were in the simplified generalized ring of Colombeau, denoted by Ks, and which we transfer of way not trivial to the ring of the generalized numbers full of Colombeau, denoted by **K**, and for **H**s and **H**, when possible.

**Data:** 23 de junho de 2017

**Local:** Auditório da Unidade Acadêmica de Matemática.

**Horário:** 10:00 h.