

***WEAKLY EXACT VON NEUMANN ALGEBRAS AND
AMALGAMATED FREE PRODUCTS***

**Speaker: Kai Toyosawa
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Time: Thu, Nov. 28, 10:00-11:00

Venue: 腾讯会议: 668 733 71716 Meeting Password: 200433

Abstract: Weak exactness for von Neumann algebras was first introduced by Kirchberg in 1995 as an analogue of exactness in the setting of C^* -algebras. In this talk, I will show that the amalgamated free product of weakly exact von Neumann algebras is again weakly exact. The proof involves a universal property of Toeplitz-Pimsner algebras and a locally convex topology on bimodules of von Neumann algebras, which is used to characterize weak exactness.