Department of Mathematics
Panjab University, Chandigarh

Department Lecture

Algebras in which non-units are products of idempotents.

by

S. K. Jain

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on **January 16, 2024 at 2 pm**

in the Seminar Hall of Mathematics Department

Abstract: This talk will be on the question: when non-units in an associative algebra can be expressed as a product of idempotents - a subject that had and has been of interest to many mathematicians. For example, Howie, Erdos, Victoria Gould, Fountain, Laffey, Lam, O'Meara, among others. Besides its intrinsic interest in studying structure of such algebras , this is also related to a long- standing open question as to whether a von Neumann regular ring is always separative.

About the Speaker: *Distinguished Professor S. K. Jain served Ohio University, Department of Mathematics from 1970 to 2009. He has more than 150 research publications, including 7 books, in associative rings and algebras, linear and multilinear algebra, matrix theory, Information and communication theory, circuits, Topological groups, Lie groups, combinatorics numerical analysis, functional analysis and nonassociative rings and algebras. He is an Executive Editor of the Journal of Algebra and its Applications and the Bulletin of Mathematical Sciences. He is also serving on the editorial board of Electronic Journal of Algebra. He has supervised 24 PhD dissertations in noncommutative rings, modules, and applied linear algebra.*