



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

INSPEM WEEKLY SEMINAR

16/2019

Date & Time

10th May 2019, Friday @ 3.15 pm

Venue

Al-Farabi Seminar Room, Second Floor,
INSPEM

Presenter

Ms. Houida Ahmed

Postgraduate Student (Algebraic Group)

Topic

Subalgebras, Idempotents and Ideals of Two-dimensional Algebras

Abstract

In this talk we give the description of all subalgebras, idempotents, left(right) ideals of two-dimensional algebras. It is shown that every such an algebra may have only one, two, three or infinitely many subalgebras and zero, one, two or infinitely many ideals. We give a classification for each class of algebras with one, two, three or infinitely many subalgebras (zero, one, two or infinitely many left (right) ideals) and subsequently, classify two-dimensional simple algebras. Idempotents of two-dimensional algebras also are given.



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