



The ARCS Seminar

Countably Coverable Rings

Greg Oman

University of Colorado, Colorado Springs

Abstract: Let R be an associative ring. Then R is said to be “coverable” provided R is the union of its proper subrings (which we do not require to be unital even if R is so). One verifies easily that R is coverable if and only if R is not generated as a ring by a single element. In case R can be expressed as the union of a finite number of proper subrings, the least such number is called the “covering number” of R . Covering numbers of rings have been studied in a series of recent papers. The purpose of this talk is to study rings which can be covered by a countable collection of proper subrings.

Time and Place: Wednesday, Feb. 21 from 3:30–4:30PM (Mountain Time Zone) in ENG 187



The Rings and Wings Seminar is an activity of ARCS.

<https://arcs-center.org>