

המחלקה למתמטיקה, בן-גוריון

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## גאומטריה אלגברית ותורת המספרים

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ביום רביעי, 10 ביוני, 2015

בשעה 15:00 – 16:30

ב-101 Math

ההרצאה

### **derived bounded the of generation Strong sheaves coherent of category**

תינתן על-ידי

(ANU) Neeman Amnon

תקציר: An object  $G$  of a triangulated category  $\mathcal{A}$  is called a  $g$ -generator if there exists an integer  $n$  such that every object  $M$  in  $\mathcal{A}$  is a direct summand of a direct sum of  $n$  copies of  $G$  and its shifts. The smallest such  $n$  is called the  $g$ -dimension of  $\mathcal{A}$ . We review recent results on this literature. We report on a new theorem which states that if  $\mathcal{A}$  is a triangulated category of dimension  $g$  and  $X$  is a scheme of dimension  $g$ , then the category of coherent sheaves on  $X$  is  $g$ -generated. This is a generalization of a result of Neeman and Amnon.

אנא שימו לב לשינוי בשעה!