



## פרופסור יובל גרוסמן

המחלקה לפיזיקה  
אוניברסיטת קורנל  
איתקה, ניו יורק, ארה"ב

## Professor Yuval Grossman

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Seminar | סמינר

# THE MATHEMATICAL STRUCTURE OF U-SPIN AMPLITUDE SUM RULES

### Abstract

The approximate symmetries of QCD: isospin, U-spin, and flavor  $SU(3)$ , played a major role in our understanding of the SM. They are still used today as a lot of more data are coming from LHSCb and Belle-2. In this talk, I will review their use and how they were traditionally found. Then, I move to show new results, discuss their mathematical properties and show a new, and much simpler, method to derive the sum rules that takes advantage of these properties.

The lecture will be held on Thursday  
10 March 2022, at 10:00  
Melamed Hall 006, Shenkar Building  
Tel-Aviv University, Ramat-Aviv

ההרצאה תתקיים ביום חמישי  
10 במרץ 2022, בשעה 10:00  
אולם מלמד 006, בניין שנקר  
אוניברסיטת תל-אביב, רמת-אביב

כיבוד קל יוגש לפני ההרצאה | Light refreshments will be served before the lecture