המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 5 באפריל, 2022

בשעה *15:30 – 14:30*

ב*101- Math*

ההרצאה

Fuel Polydispersed of Dynamics the About

תינתן על-ידי

(BGU) Hareli Shlomo

תקציר: various in droplets of thousands of consist spray fuel disperse poly A process chemical a is disperse poly the of Combustion The shapes. and volumes described are droplets fuel disperse poly The energy. thermal useful releases which (PSD). distribution size (droplet) particle the - function discrete a by

im- are droplet each for accounts which process combustion the of Models result, a As computations. of amount considerable a require they as practicable approxima- The process. combustion the describe to used are approximations adequately. PSD particle the describe to fail tions

simpli a propose We

functions distribution continuous use to us allow which model theoretical ed combustion the during theoretical) or (experimental PSD any approximate to depended time The proximations. ap- previous then accurately more much process disperse poly the of dynamics the vestigate in- to us allow functions distribution

some provided model The study. analytical an permit even and elegantly fuel insights. theoretical new

the of radii the process, sefl-ignition the during that show results main Our increased droplets smaller of number the and expected, as decreased droplets by (visualized result novel important An radius. the to proportion inverse in for increases initially droplets the of radius mean the that demonstrates graphs) decrease. expected the by followed is which time, of period short relatively a