

Partial Differential Equations Seminar

Title Mathematical and statistical modeling of COVID-19 transmission in South Korea

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Date January 25th, 10:00 ~ 11:00

Location Zoom 강연

Abstract

Vaccines against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) are currently administered in South Korea. Considering constraints in vaccine supply and the emergence of variant strains, we evaluated the impact of coronavirus disease (COVID-19) vaccination program in reducing incidence, ICU hospitalization, and deaths in South Korea. Using various mathematical and statistical methods, we evaluate the transmission potential of COVID-19 and project the number of cases in various regions in the country.