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MATHEMATICAL MODELLING OF SARS EPIDEMIOLOGY IN TORONTO

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The emergence of severe acute respiratory syndrome (SARS), a highly contagious viral disease that has so far spread to 32 countries, has prompted a global public health campaign in search for effective control strategies. In this talk, a deterministic model will be designed for the epidemiology of SARS in Toronto. The model, which reasonably mimics the SARS outbreaks in Toronto, Hong Kong and Singapore, is used to assess current anti-SARS control measures.