

Review of: "An Optimal Control for Ebola Virus Disease with a Convex Incidence Rate: Imputing from the Outbreak in Uganda"

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Potential competing interests: No potential competing interests to declare.

Comments

Excellent and consistent theoretical work.

Sometimes you can enrich by empirical modeling of the obtained theoretical results, to summarize all the parameters by a few global parameters.

1*/ You present your figures by couple. certain figure has a simple curvature which can be expressed for example by $Y = Y_0 \exp(-\text{time}/\tau)$; others by $Y = Y_0(1 - \exp(-\text{time}/\tau))$.

Only two parameters (Y_0 and τ). Maybe they have interesting physical meaning, etc...

2*/ Also, maybe the graphical representation of the ratio of each curve reveals interesting findings, specificity, new method of comparison, etc.

You can inspire with other originality in other works, especially for the relation of two properties, like:

Essam Kotb, Noureddine Ouerfelli, Naouel Zrelli, Khaoula Briki, Asmaa A. Ahmed, Mohamed El Kassas, Hassan Elsayed, Mohammed A. Medhat. **"Empirical modeling for reported cases and deaths of COVID-19 in Egypt during the accelerated spread and prediction of the delayed phase"**. Bulletin of Pharmaceutical Sciences (Assiut University), 45(02), 2022, 775-

788. Link : <https://dx.doi.org/10.21608/bfsa.2022.271639> https://bpsa.journals.ekb.eg/article_271639.html

Noureddine Ouerfelli, Narcisa Vrinceanu, Diana Coman, Adriana Lavinia Cioca. **"Modeling of COVID-19 Evolution with High/Direct Impact on Public Health and Risk Assessment"**. International Journal of Environmental Research and Public Health. 2022, 19(6), 3707. Doi: 10.3390/ijerph19063707 <https://doi.org/10.3390/ijerph19063707> Supplementary Materials: <https://www.mdpi.com/article/10.3390/ijerph19063707/s1> ,

Bosson-Amedenu Senyefia, Acquah Joseph, Nyarko Christiana Cynthia, Osei Asibey Eunice, Oduro Okyireh Theodore, Joseph Otoo, Teku Emmanuel, Khaoula Briki, Okanta Dade Gifty, Noureddine Ouerfelli **"New Model for the COVID-19 Reported Cases and Deaths of Ghana in Accelerated Spread and Prediction of the Delayed Phase"**. Annual

Research & Review in Biology, 36, (12), 2021, 7-26. doi:

10.9734/ARRB/2021/v36i1230459 link : <https://www.journalarrb.com/index.php/ARRB/article/view/30459>

link : <https://doi.org/10.9734/arrb/2021/v36i1230459>