Comment on egusphere-2022-268
Xiao Yu

Community comment on "An experimental perspective on the effects of initial structures on rock avalanches’ propagation and sedimentary characteristics" by Zhao Duan et al., EGUsphere, https://doi.org/10.5194/egusphere-2022-268-CC1, 2022

This is an interesting study. Just as the initial rock mass structure controls the expansion and accumulation characteristics of the rock after collapse, considering the accumulation form of the large rock collapse is of great significance to the prevention and control of rock collapse disasters. It should be noted that the rock mass will be broken and disintegrated during the long-distance migration, which may be a long-term behavior after the landslide failure. It is worth exploring whether the large boulders are the products of the damaged source and whether the unbroken large boulders show the characteristics consistent with the manuscripts after a long enough propagation distance. Future research can consider the impact of rock mass fragmentation on the migration and accumulation of large blocks, and how the accumulation of large rocks may imply the dynamic characteristics of disasters.