

Interactive comment on “Contribution of directly connected and isolated impervious areas to urban drainage network hydrographs” by Y. Seo et al.

Anonymous Referee #2

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In this paper, the authors suggest a hydrologic approach, in which, they claim, the suggested model addresses the mass balance error observed in hydrographs in urban catchments. The suggested approach also incorporates the concept of connected and disconnected impervious areas where the connected impervious areas were referred to as effective impervious area(EIA) or directly connected impervious area(DCIA) and the disconnected areas were referred to as isolated impervious area(IIA). The approach is interesting in that few models have an ability to evaluate the contribution of each area, especially DCIA and IIA separately. However, in terms of the slow response in urban catchment, the authors should know that SWMM has a similar function and need to mention it and discuss the difference between the suggested approach and SWMM in the manuscript.

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