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Drinking Water
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Discussions

Interactive comment on "Analysis of water distribution network under pressure deficient conditions through Emitter Setting" *by* Suribabu Conety Ravi et al.

Anonymous Referee #1

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In this paper a practical approach is proposed to analyse water distribution networks under pressure deficient conditions. It is an important topic, since many water distributions systems (in developing countries) are dealing with this situation. The paper is well written and gives a clear overview of the field and some results are given of the proposed methodology and these are compared to previous attempts. However the structure of the paper needs some more attention (see below). General comments: - Chapter 1, 2, 3, and 4 should be merged and more concised, since it is common practice to give an overview and drawbacks of existing methodologies in the introduction, to come up with a clear objective of the paper. - Then introduce the proposed methodology in a separate chapter in a more extended way, so that it is more clear

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what is the difference with other methods and how it will work (and why this approach is adopted). - The Examples should then be discussed in the Results and Discussion chapter, separately.

Specific comments: - Line 40-42, summarize the performance of the methodology in the abstract - Line 49, explain abbreviation first and then use it always - Line 50-52 give references - Line 75, condition = conditions - Line 90, less = lower - Line 90-92 avoid repetitions.. - Line 100-101, explain what is the difference with the other methods (see general comments) - Line 114-115, parameters in italic - Line 143 “snapsort”? - Line 188-200 not exactly clear what is different from the previously described approach - Line 210-212, seems to be the basics of the approach, but not totally clear.. (e.g. how emitter coefficient is calculated?) - Line 242-243 and what was the performance of the proposed approach? - Line 283 use past tense (and check rest of the document: past tense when obtained result from the study)

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