

### Report 1

l77 : "To prevent any confusion, in the following article, the exponent m is introduced..." <-> "To prevent any confusion, in the rest of the article, the exponent m is introduced..."

Modified, in red in the text

Figure 2 : I recognise the change, but honestly I think simple black type would be better.

Modified, in red in the text

l265-266 : Thanks for the explanation concerning the choice of the thresholds. Its first part could be integrated here.

Modified, in red in the text

l280 : Same remark for the practical interest of a bijective relationship.

Modified, in red in the text

l463 : "the diffusion coefficient of the vapour in water in the air" <-> "the diffusion coefficient of the water vapour in air"

Modified, in red in the text

### Report 2

The authors addressed my questions. One minor correction should be made in the manuscript. In line 77, "or a numerical one" should be "or a number one"

Modified, in red in the text