

Second referee's report on the paper  
*Validating the Nernst-Planck transport model  
under reaction-driven flow conditions using RetroPy v1.0*

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In a new version, the Authors have taken into account all my remarks. Obviously (18) implies (19). But the representation (20) is a postulate only. The Authors added the appropriate sentence "This result is a simplification of the PNP model". By the way, it should be written "This result is..." instead of "This results in...". It would be interesting from a mathematical point of view to keep (6) (see my first referee's report) with some "tricks" on  $E$ . I know that it can be very difficult.

CONCLUSION

The paper can be published in Egusphere.