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Analytical and numerical study of electroosmotic slip flows of fractional second grade fluids

Xiaoping Wang, Haitao Qi, Bo Yu, Zhen Xiong, Huanying Xu

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Highlights

- Unsteady electro-osmotic slip flow of fractional second grade fluids is analytically and numerically studied.
- Parallel flat plate microchannels with different zeta potentials and slip boundary conditions are considered.
- The combined effects of pertinent parameters on the velocity distribution, flow rate are discussed graphically.

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