

Comparison of dispersive and nondispersive models for wave run-up on a beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr *Izvestiya, atmospheric and oceanic physics* 2020 / p. 494-501 <https://doi.org/10.1134/S0001433820050023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dispersive and nondispersive nonlinear long wave transformations: numerical and experimental results

Torsvik, Tomas; **Abdalazeez, Ahmed; Dutykh, Denys; Denissenko, Petr; Didenkulova, Irina** *Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity* 2019 / p. 41-60 https://doi.org/10.1007/978-3-030-29951-4_3 https://www.ester.ee/record=b5303400*est

Dispersive effects during long wave runup on a beach

Didenkulova, Irina; Abdalazeez, Ahmed; Dutykh, Denys *Geophysical research abstracts* 2019 / p. EGU2019-16378 <https://meetingorganizer.copernicus.org/EGU2019/EGU2019-16378.pdf>

Dispersive effects during long wave run-up on a plane beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys *Advances in Natural Hazards and Hydrological Risks : Meeting the Challenge : proceedings of the 2nd International Workshop on Natural Hazards (NATHAZ'19), Pico Island—Azores 2019* 2019 / p. 143-146 https://doi.org/10.1007/978-3-030-34397-2_28 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Extreme inundation statistics on a composite beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Labart, Celine *Water* 2020 / art. 1573, 13 p. : ill <https://doi.org/10.3390/w12061573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear deformation and run-up of elongated solitary waves: numerical simulations and analytical predictions

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Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys *Natural hazards and earth system sciences* 2019 / p. 2905–2913 : ill <https://doi.org/10.5194/nhess-19-2905-2019> <https://nhess.copernicus.org/articles/19/2905/2019/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys *Innovations in minimization of natural and technological risks : abstracts of the first Eurasian conference "RISK -2019" : 22 - 24 May 2019, Baku, Azerbaijan 2019* / p. 102 <https://eurasianrisk2020.ge/uploads/RISK-2019/ABSTRACT%20BOOK%20EURASIAN%20RISK-2019.pdf>

Runup of nonlinear waves of different shapes on a plane beach including effects of dispersion and wave breaking =

Laine dispersiooni ja murdumise mõju mittelineaarsete lainete uhtekõrgusele erineva kujuga lauetel randadel

Abdalazeez, Ahmed 2020 https://www.ester.ee/record=b5383220*est <https://digikogu.taltech.ee/et/Item/f270a84e-32a3-4b08-9717-4de9e57b59d1>

Сравнение дисперсионной и бездисперсионной моделей наката длинных волн на берег

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr *Известия РАН. Физика атмосферы и океана* 2020 / с. 567-574 <https://doi.org/10.31857/S0002351520050028>