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## Entropy Theory for Distribution of One-Dimensional Velocity in Open Channels

DOI: 10.1061/(asce)he.1943-5584.0000363

Journal of Hydrologic Engineering - ASCE, 2011, 16, 725-735.

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**Version:** 2024-04-23

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#	Paper	IF	Citations
42	On the Cumulative Distribution Function for Entropy-Based Hydrologic Modeling. <i>Transactions of the ASABE</i> , <b>2012</b> , 55, 429-438	0.9	15
41	Derivation of 2D Power-Law Velocity Distribution Using Entropy Theory. <i>Entropy</i> , <b>2013</b> , 15, 1221-1231	2.8	19
40	Tsallis Entropy-Based Flow Duration Curve. <i>Transactions of the ASABE</i> , <b>2014</b> , 837-849	0.9	0
39	Suspended Sediment Concentration in Open Channels Using Tsallis Entropy. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 966-977	1.8	27
38	One-Dimensional Velocity Distribution in Open Channels Using Tsallis Entropy. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 290-298	1.8	33
37	Suspended sediment concentration distribution using Tsallis entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2014</b> , 414, 31-42	3.3	5
36	Crystal Drop Award Speech: Connecting the dots: a unifying theory for modelling in water engineering. <i>Water International</i> , <b>2015</b> , 40, 568-592	2.4	0
35	One-Dimensional Velocity Distributions. <b>2015</b> , 61-87		
34	A Tsallis entropy-based redundancy measure for water distribution networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 421, 360-376	3.3	17
33	Comparison between Shannon and Tsallis entropies for prediction of shear stress distribution in open channels. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 1-11	3.5	40
32	Chapter 2 Probability Distributions. <b>2016</b> , 53-78		
31	Mathematical modeling and simulation of flow velocity profile for rectangular open channels. <i>ISH Journal of Hydraulic Engineering</i> , <b>2016</b> , 22, 193-203	1.5	2
30	Prediction of velocity-dip-position over entire cross section of open channel flows using entropy theory. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	13
29	Derivation of Hunt equation for suspension distribution using Shannon entropy theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 488, 96-111	3.3	11
28	Tsallis Entropy Theory for Modeling in Water Engineering: A Review. <i>Entropy</i> , <b>2017</b> , 19, 641	2.8	22
27	Derivation of different suspension equations in sediment-laden flow from Shannon entropy. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2018</b> , 32, 563-576	3.5	6
26	Comparative study of 1D entropy-based and conventional deterministic velocity distribution equations for open channel flows. <i>Journal of Hydrology</i> , <b>2018</b> , 563, 679-693	6	11

25	Uncertainty analysis of shear stress estimation in circular channels by Tsallis entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 510, 558-576	3.3	17
24	Assessment of models for velocity distribution in turbulent smooth-wall open channel flows. <i>ISH Journal of Hydraulic Engineering</i> , <b>2019</b> , 1-11	1.5	4
23	Enhanced formulation of the probability principle based on maximum entropy to design the bank profile of channels in geomorphic threshold. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2019</b> , 33, 1013-1034	3.5	4
22	Assessment of geomorphological bank evolution of the alluvial threshold rivers based on entropy concept parameters. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 856-872	3.5	14
21	Application of relative entropy theory to streamwise velocity profile in open-channel flow: effect of prior probability distributions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2019</b> , 70, 1	1.6	4
20	A method based on the Tsallis entropy for characterizing threshold channel bank profiles. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 526, 121089	3.3	13
19	Modelling groundwater-dependent vegetation index using Entropy theory. <i>Ecological Modelling</i> , <b>2020</b> , 416, 108916	3	9
18	Two-dimensional distribution of streamwise velocity in open channel flow using maximum entropy principle: Incorporation of additional constraints based on conservation laws. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2020</b> , 361, 112738	5.7	3
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16	On the role of Tsallis entropy index for velocity modelling in open channels. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 557, 124901	3.3	2
15	Streamwise velocity profile in open-channel flow based on Tsallis relative entropy. <i>Chaos</i> , <b>2020</b> , 30, 073136	3.6	1
14	Entropy-Based Velocity and Shear Stress Distributions for Trapezoidal Channel. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2020</b> , 25, 04020047	1.8	2
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12	A Novel Comprehensive Evaluation Method for Estimating the Bank Profile Shape and Dimensions of Stable Channels Using the Maximum Entropy Principle. <i>Entropy</i> , <b>2020</b> , 22,	2.8	3
11	Entropy Wake Law for Streamwise Velocity Profiles in Smooth Rectangular Open Channels. <i>Entropy</i> , <b>2020</b> , 22,	2.8	
10	Mathematical modelling of streamwise velocity profile in open channels using Tsallis entropy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 94, 105581	3.7	1
9	Discussion of Estimation of one-dimensional velocity distribution by measuring velocity at two points by Yeganeh and Heidari (2020). <i>Flow Measurement and Instrumentation</i> , <b>2021</b> , 77, 101886	2.2	
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7	Modeling Bed Shear Stress Distribution in Rectangular Channels Using the Entropic Parameter. <i>Entropy</i> , <b>2020</b> , 22,	2.8	4
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5	Entropy-Based Shear Stress Distribution in Open Channel for All Types of Flow Using Experimental Data. <i>Entropy</i> , <b>2021</b> , 23,	2.8	
4	One-dimensional velocity distribution in seepage channel using Tsallis and Shannon entropy. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	0
3	Application of the fractional entropy for one-dimensional velocity distribution with dip-phenomenon in open-channel turbulent flows. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	0
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1	Estimation of Transverse Velocity and Concentration Profile Using Kumaraswamy Distribution.		0