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	Altri autori (Persone)	WongTommy S. W
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	Nota di contenuto	""CONTENTS ""; ""PREFACE ""; "" SCALE INVARIANCE AND SELF- SIMILARITY IN KINEMATIC OVERLAND FLOW IN SPACE AND TIME ""; "ABSTRACT ""; "INTRODUCTION ""; ""MATHEMATICAL BASIS OF THE SCALING TRANSFORMATION AND SCALE INVARIANCE ""; "THE SCALE INVARIANCE OF THE KINEMATIC OVERLAND FLOW PROCESS ""; "" Invariance-Conditions Due To the Governing Equation ""; ""Invariance- Conditions Due To the Initial-Boundary Conditions ""; ""Invariance- Conditions Due To the Additional Dependent Variable, i(x,t) in the Governing Equation: ""; "" EXAMPLE PROBLEMS AND NUMERICAL APPLICATIONS "" ""Example Problem 1: """"Example Problem 2: ""; ""Example Problem 3: ""; ""CONCLUSION ""; "REFERENCES ""; "RECENT DEVELOPMENT IN STUDIES OF OVERLAND FLOW RESISTANCE ""; ""ABSTRACT ""; ""1. DEFINITIONS AND FRAMEWORK ""; ""1.1. Overland Flow Resistance ""; ""1.4. Components of f under Different Conditions ""; ""2.1. Flow Resistance on Plane Beds ""; ""2.1.1. Grain Resistance ""; ""2.1.2.

Sediment Transport Resistance on Plane Beds ""

"2.2 Flow Resistance on Rough Beds """ 2.2.1. Form Resistance ""; "2.2.2. Wave Resistance ""; ""2.2.3. Sediment Transport and Bed Deformation on Rough Beds ""; ""2.3. Flow Resistance Models ""; ""(1) Gilley and Finkler Model (1991) ""; ""(2) Hirsh Model (1996) and Aeblya €?s Validation(1998) ""; ""(3) Lawrence Model (1997, 2000): ""; ""(4) Barros Model (2001) ""; ""(5) Takken and Govers Model (2002) ""; ""(6) Hu and Abrahams Model (2006) ""; ""3. TOPICS FOR FUTURE STUDIES ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES ""; ""KINEMATIC WAVE FOR OVERLAND FLOW ""; ""ABSTRACT ""; ""1. INTRODUCTION "" "1.1. Hydrologic Routing """1.2. Hydraulic Routing ""; ""2. BASIC PRINCIPLES ""; ""2.1. Dynamic Wave Model ""; ""2.2. Quasi Dynamic Wave Model ""; ""2.3. Diffusive Wave Model ""; ""2.4. Kinematic Wave Model ""; ""3. APPLICABILITY LIMIT OF KINEMATIC WAVE ""; ""4. OVERLAND FLOW ON IMPERVIOUS SURFACE ""; ""5. OVERLAND FLOW ON PERVIOUS SURFACE ""; ""6. APPLICATION OF KINEMATIC WAVE TO NATURAL WATERSHED ""; ""REFERENCES ""; "" OVERLAND FLOW AND THE RUNON PROCESS ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. OVERLAND FLOW GENERATION ""; "" 2.1. Saturation Overland Flow "" "" 2.2. Hortonian Overland Flow """"3. RESISTANCE RELATIONSHIPS ""; ""4. GRADUALLY-VARIED UNSTEADY FLOW OVER A PLANE ""; ""5. APPROXIMATIONS TO THE SAINT-VENANT EQUATIONS ""; ""5.1. Kinematic Wave Approximation ""; ""5.2. Diffusion Wave Approximation ""; ""5.3. Gravity Wave Approximation ""; ""6. THE RUNON PROCESS AND LABORATORY STUDIES ""; ""7. SURFACE FLOW AND RUNON ""; ""7.1. Local Scale Model for Flow and Infiltration with Runon ""; ""7.2. Characterization of Spatial Variability of Saturated Hydraulic Conductivity ""; ""8. SURFACE AND SUBSURFACE SOLUTE TRANSPORT "" ""9. SOIL EROSION ""