

# **The stochastic movements of individual streambed grains**

by

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The following individuals certify that they have read, and recommend to the Faculty of Graduate and Postdoctoral Studies for acceptance, the thesis entitled:

**The stochastic movements of individual streambed grains**

submitted by **J. Kevin Pierce** in partial fulfillment of the requirements for the degree of **Doctor of Philosophy** in **Department of Geography**.

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# Abstract

Write an abstract.

# Lay Summary

The lay or public summary explains the key goals and contributions of the research/scholarly work in terms that can be understood by the general public. It must not exceed 150 words in length.

# Preface

A preface should be written indicating what is to come and what the point of this whole thing is.

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My partner Mary for putting up with the late nights.

## **Chapter 1**

# **Sediment transport and landscape evolution**

Landscapes evolve across geological time due to energy and mass contributed from above and below the Earth's surface.

### **1.1 Stochastic properties of sediment movement**

### **1.2 Historical survey: statistical physics in sediment transport**

### **1.3 Philosophy of the statistical physics approach**

### **1.4 What's left?**

## **Chapter 2**

# **Calculation of the sediment flux**

## **Chapter 3**

# **Analysis of the bed elevation**

## **Chapter 4**

# **Inclusion of sediment burial**

## **Chapter 5**

## **Conclusion**

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