

## SIPLIB 2.0

### Stochastic Integer Programming Library version 2.0

**Kibaek Kim · Cong Han Lim · James  
Luedtke · Jeffrey Linderoth**

Received: date / Accepted: date

**Abstract** We present a collection of stochastic integer programming problem instances.

**Keywords** Stochastic Integer Programming · Problem Instances

## 1 Introduction

Stochastic integer programming is ... Small test instances are available in Shabir's website. We need more..

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Kibaek Kim  
Mathematics and Computer Science Division, Argonne National Laboratory, Lemont, IL  
60439, USA  
E-mail: kimk@anl.gov

Cong Han Lim · James Luedtke · Jeffrey Linderoth  
Department of Industrial and Systems Engineering, University of Wisconsin-Madison Madison, WI 53706, USA

Cong Han Lim  
E-mail: clim9@wisc.edu

James Luedtke  
E-mail: jim.luedtke@wisc.edu

Jeffrey Linderoth  
E-mail: linderoth@wisc.edu

## **2 Stochastic Integer Programming**

### 2.1 Formulation

### 2.2 Algorithms

Benders, dual, ...

### 2.3 Software Libraries

modeling, solving, ...

## **3 Problem Instances**

We introduce the set of problem instances. The instances are available in SMPS file format.

characteristics, categorization

## **4 Implementation of SMPS Writer**

We describe our Julia implementation, how to model SIP and generate SMPS files..

## **5 Solution Report**

## **6 Concluding Remarks**