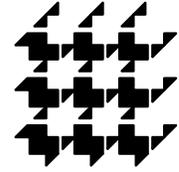


DIMACS

*Center for Discrete Mathematics &
Theoretical Computer Science*



DIMACS EDUCATIONAL MODULE SERIES

MODULE 04-3

IN DISCRETE MATHEMATICS:

Using Discrete Mathematics in the Classroom

Date Prepared: December 15, 2004

Editors:

Joseph G. Rosenstein
Rutgers University
joer@dimacs.rutgers.edu

Deborah S. Franzblau
CUNY/College of Staten Island
franzblau@postbox.csi.cuny.edu

Robert Hochberg
East Carolina University
hochberg@dimacs.rutgers.edu

DIMACS Center, CoRE Bldg., Rutgers University, 96 Frelinghuysen Road, Piscataway, NJ 08854-8018

TEL: 732-445-5928 • FAX: 732-445-5932 • EMAIL: center@dimacs.rutgers.edu

Web: <http://dimacs.rutgers.edu/>

*Founded as a National Science Foundation Science and Technology Center and a Joint Project of Rutgers University,
Princeton University, AT&T Labs - Research, Bell Labs, NEC Laboratories America and Telcordia Technologies
with affiliated members Avaya Labs, HP Labs, IBM Research, Microsoft Research. and Stevens Institute of Technology*

Module Description Information

- **Title:**

IN DISCRETE MATHEMATICS: Using Discrete Mathematics in the Classroom

- **Editors:**

Joseph G. Rosenstein, Rutgers University, joer@dimacs.rutgers.edu

Deborah S. Franzblau, CUNY/College of Staten Island, franzblau@postbox.csi.cuny.edu

Robert Hochberg, East Carolina University, hochberg@dimacs.rutgers.edu

- **Abstract:**

This module consists of the ten issues of a newsletter for K-12 teachers (with the same name) published by DIMACS between 1991 and 1999. Each issue contains a number of articles by and for teachers at various grade levels dealing with a variety of topics and from a variety of perspectives. A typical issue might have one article that features a particular area of discrete mathematics, several teaching briefs that give examples of how teachers have used discrete mathematics in their classrooms, an article that describes various resource materials dealing with a particular topic, an article that discusses mathematics in the news, and perhaps a cartoon or a puzzle.

- **Informal Description:**

By posting these newsletters as a DIMACS Module, we are making them available to a wider audience and providing all K-12 teachers with this valuable resource.

- **Target Audience:**

This module is intended for all K-12 teachers who are using, or who are interested in using, discrete mathematics in their classrooms.

- **Prerequisites:**

Many articles in the newsletters have no prerequisites. In some cases, the reader will need to have had some prior exposure to the topics of the articles.

- **Mathematical Field:**

The articles in the newsletters address a variety of topics of discrete mathematics.

- **Applications Areas:**

The articles in the newsletters address a variety of applications of discrete mathematics.

- **Mathematics Subject Classification:**

Primary 00A05, 00A35

- **Contact Information:**

Joseph G. Rosenstein, Department of Mathematics, Rutgers University, 110 Frelinghuysen Road, Piscataway, New Jersey 08854, joer@dimacs.rutgers.edu.

- **Other DIMACS modules related to this module:**

None