

Contents

A. A. ALI, G. KOVÁSZNAI, M. HERBÁK, M. KHALID, Fair team formation for STEAM education using exact and heuristic constraint-based solvers . . .	1
A. APRÓ, L. SASI, Adaptive sentiment evaluation in social media analysis . .	18
A. APRÓ, T. TAJTI, Bayesian adaptive assessment with distribution-aware item selection: An empirical study on uncertainty reduction and test efficiency	32
O. CZIMBALMOS, ZS. SZÁNTÓ, G. KÖRÖSI, P. BECSEI, B. UDVARI, R. FARKAS, Student opinion mining: Automated topic extraction from student feedback	42
L. Á. FAZEKAS, K. NEHÉZ, Attribute-based Bloom filter tabu search for the Flexible Flowshop Problem	55
G. KUSPER, Baseline review of Formal Methods and Foundations of Artificial Intelligence	65
G. KUSPER, J. SZABÓ, M. SZABÓ, Á. KOVÁCS, T. TAJTI, CS. SZABÓ, J. PERHÁČ, M. HORVÁTH, B. SOBOTA, Introducing TAIPO, an AI-based product owner assistant for vibe coding	73
G. MORSE, T. KOZSIK, Fully dynamic strong connectivity and reachability in digraphs	88
B. D. OROSZ, T. KOZSIK, Case study: Refactoring with design and architectural patterns	107
Z. PORKOLÁB, G. TÓTHVÁRI, Extensions of the C++ Parallel STL library .	122
M. SZABÓ, Á. KOVÁCS, G. KUSPER, Data cleaning and spam filtering methods in the TAWOS database	132

ANNALES MATHEMATICAE ET INFORMATICAЕ 63. (2026)

ANNALES MATHEMATICAE ET INFORMATICAЕ

TOMUS 63. (2026)



COMMISSIO REDACTORIUM

Sándor Bácsó (Debrecen), Sonja Gorjanc (Zagreb), Tibor Gyimóthy (Szeged),
Miklós Hoffmann (Eger), József Holovács (Eger), Tibor Juhász (Eger),
László Kovács (Miskolc), Zoltán Kovács (Eger), Gergely Kovásznai (Eger),
László Kozma (Budapest), Kálmán Liptai (Eger), Florian Luca (Mexico),
Giuseppe Mastroianni (Potenza), Ferenc Mátyás (Eger),
Ákos Pintér (Debrecen), Miklós Rontó (Miskolc), László Szalay (Sopron),
János Sztrik (Debrecen), Tibor Tajti (Eger), Gary Walsh (Ottawa)



HUNGARIA, EGER