

SCIENTIA

Series A: Mathematical Sciences

Volume 33 | New Series | 2023 | ISSN 0716-8446 | eISSN 2810-7519

CONTENTS

Michael Milgram	
A Curious Trigonometric Infinite Product in Context.....	1
Victor H. Moll	
The integral of Wallis.....	13
Silvestru Sever Dragomir	
Some Determinant Inequalities for Two Positive Definite Matrices Via a Result of Cartwright and Field.....	21
M.L. Glasser	
A note on Solvable Equations including De Moivre's quintic.....	29
Victor H. Moll and Supratik Saha	
Uniform convergence is not just for Real Analysis.....	35
Mackenzie Bookamer, Peter Carroll, Saul Alejandro Chavez Muñoz, Sam DeMarinis, Harry Feldman, Russell George, Sarah Helmbrecht, Walter Herasymuk, Julian Huddell, Caroline Kovalan, Isabella Kulstad, Maggie Lai, Melanie McAdoo, Henry Miller, Victor H. Moll, Arzaan Singh, Ellie Stevenson and MaggieWelland	
The integrals in Gradshteyn and Ryzhik Part 33 Sines and cosines of multiple and of linear and more complicated functions of the argument.....	39
Veselin Jungić Andriana Burazin and Miroslav Lovric	
Wallis m-integrals and their properties.....	61
Russell A. Gordon and Séan M. Stewart.	
A novel approach to evaluating improper integrals.....	73