# MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

#### **4037 ADDITIONAL MATHEMATICS**

4037/23

Paper 2, maximum raw mark 80

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Mathematical Modeling and Simulation of Systems Serhiy Shkarlet, Anatoliy Morozov, Alexander Palagin, Dmitri Vinnikov, Nikolai Stoianov, Mark Zhelezniak, Volodymyr Kazymyr, 2023-07-04 Modern complex multi domain systems require increased efficiency reliability and availability combined with reduced cost This book contains papers on mathematical modeling and simulation of processes in various areas ecology and the environment production and energy information technology samples of special purpose equipment and cyber physical systems. The outcomes presented in the book are useful to specialists involved in the modeling and simulation of real world system management and decision making models production models and software products Scientists have the opportunity to familiarize themselves with the latest research in a variety of solutions proposed by leading scientists and to determine promising directions for solving complex scientific and practical tasks Chapters of this book contain papers presented at the 17th MODS International Conference November 14 16 2022 Chernihiv Ukraine

Dictionary Catalog of the Slavonic Collection New York Public Library. Slavonic Division, New York Public Library. Research Libraries, 1974

British Education Index , 1993

Forthcoming Books Rose Arny, 1998-04

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