



## A MODIFIED CONJUGATE GRADIENT METHOD WITH SUFFICIENT CONDITION AND CONJUGACY CONDITION

Awad Abdelrahman<sup>a,\*</sup>, Mustafa Mamat<sup>b</sup>, Zabidin Salleh<sup>a</sup> and  
Mohd Rivaie<sup>c</sup>

<sup>a</sup>School of Informatics and Applied Mathematics  
Universiti Malaysia Terengganu (UMT)  
Malaysia  
e-mail: awad.abdalla26@yahoo.com

<sup>b</sup>Faculty of Informatics and Computing  
Universiti Sultan Zainal Abidin  
Campus Tembila, 22200, Besut  
Malaysia

<sup>c</sup>Department of Computer Sciences and Mathematics  
Universiti Teknologi MARA (UiTM)  
Terengganu, Campus Kuala Terengganu  
Malaysia

### Abstract

Nonlinear conjugate gradient methods are significant for solving large-scale unconstrained optimization problems. Several studies and

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\*Corresponding author

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