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Study of melting properties of basalt based on their mineral components

Xingfen Chen^{1,2}, Yunsheng Zhang², David Hui³, Meirong Chen¹, and Zhishen Wu^{4,5*}

1. National and Local Unified Engineering Research Center for Basalt Fiber Production and Application Technology, Southeast University, Nanjing, 210096, China
2. School of Material Science & Engineering, Southeast University, Nanjing, 210096, China
3. Dept. of mechanical Engineering, University of New Orleans, New Orleans, LA 70148, USA
4. International Institute for Urban Systems Engineering, Southeast University, Nanjing, 210096, China
5. Key Laboratory of C& PC Structures Ministry of Education, Southeast University, Nanjing, 210096, China

* Corresponding author

Tel: +86-25-83793232; Fax: +86-25-83793232; Postal address: 210096

E-mail: zswu@seu.edu.cn

Abstract: In this paper, the mineral components, initial liquid temperature, melting temperature, melting process, and melt homogeneity of andesite, andesitic basalt, tholeiite basalt, and alkali basalt are investigated. The results show that the basalts exhibit initial liquid temperatures and melting temperatures in the following descending order: andesite, andesitic basalt, tholeiite basalt,

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