

## Volume 1, Issue 2, Pages 57-71 (June 2011)

## LEAST SQUARES COLLOCATION METHODS FOR SOLVING PARTIAL DIFFERENTIAL EQUATIONS: A MATLAB APPROACH

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Received February 15, 2011

## Abstract

Least squares collocation methods are considered as alternative to least squares finite elements methods. They are particularly very attractive for solving partial differential equations on complex geometry domains. We present here some computational practical aspects of these methods in MatLab. We also describe efficient MatLab built-in functions suitable for developing codes easy-implementable.

**Keywords and phrases:** mobile ad-hoc network (MANET), 802.16e, WiMax, multicast, real-time positioning.



## ISSN: 2231-184X