



## Meshfree Methods for Partial Differential Equations IV (Lecture Notes in Computational Science and Engineering)

By Michael Griebel; Marc Alexander Schweitzer

Springer, 2008. Soft cover. Book Condition: New. The numerical treatment of partial differential equations with particle methods and meshfree discretization techniques is a very active research field both in the mathematics and engineering community. Due to their independence of a mesh, particle schemes and meshfree methods can deal with large geometric changes of the domain more easily than classical discretization techniques. Furthermore, meshfree methods offer a promising approach for the coupling of particle models to continuous models. This volume of LNCSE is a collection of the proceedings papers of the Fourth International Workshop on Meshfree Methods held in September 2007 in Bonn. The articles address the different meshfree methods (SPH, PUM, GFEM, EFGM, RKPM, etc.) and their application in applied mathematics, physics and engineering. The volume is intended to foster this very active and exciting area of interdisciplinary research and to present recent advances and results in this field.



**READ ONLINE**  
[ 3.41 MB ]

### Reviews

*Comprehensive guideline! Its such a good read through. It is actually writter in basic words and not confusing. I am just easily could possibly get a enjoyment of reading a composed book.*

-- **Lonzo Wilderman**

*A very amazing ebook with lucid and perfect answers. it was actually writtern quite flawlessly and useful. Its been written in an exceedingly basic way and it is simply right after i finished reading this publication in which basically changed me, change the way i really believe.*

-- **Garett Stanton**