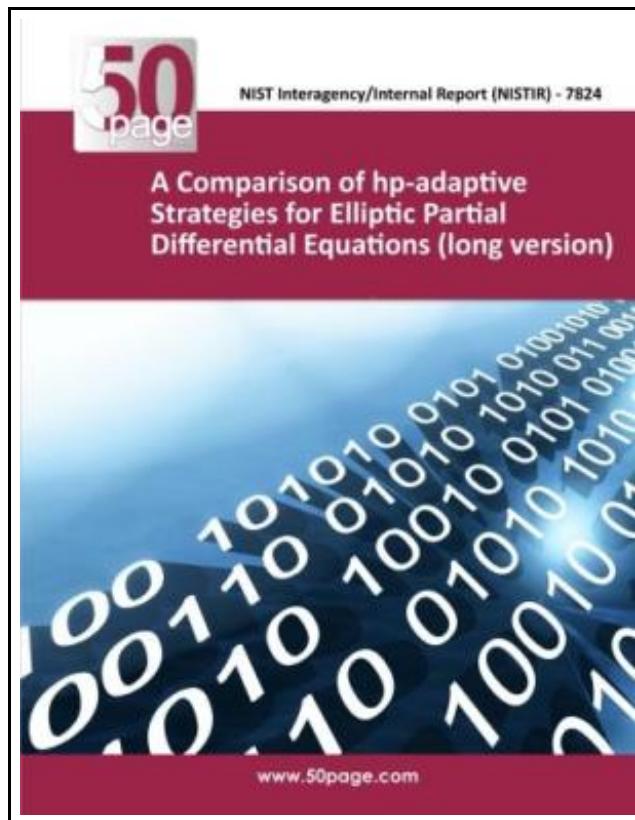


## A Comparison of HP-Adaptive Strategies for Elliptic Partial Differential Equations (Long Version)



Filesize: 6.36 MB

### Reviews

*Extensive guide! Its this sort of very good study. It is actually full of knowledge and wisdom I found out this pdf from my i and dad suggested this ebook to understand.  
(Melany Bogisich)*

## A COMPARISON OF HP-ADAPTIVE STRATEGIES FOR ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS (LONG VERSION)

[DOWNLOAD](#)

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 220 pages. Dimensions: 11.0in. x 8.5in. x 0.5in. The hp version of the finite element method (hp-FEM) combined with adaptive mesh refinement is a particularly efficient method for solving partial differential equations because it can achieve a convergence rate that is exponential in the number of degrees of freedom. hp-FEM allows for refinement in both the element size,  $h$ , and the polynomial degree,  $p$ . Like adaptive refinement for the  $h$  version of the finite element method, a posteriori error estimates can be used to determine where the mesh needs to be refined, but a single error estimate can not simultaneously determine whether it is better to do the refinement by  $h$  or by  $p$ . Several strategies for making this determination have been proposed over the years. In this paper we summarize these strategies and present the results of a numerical experiment to study the convergence properties of these strategies. This item ships from La Vergne, TN. Paperback.



[Read A Comparison of HP-Adaptive Strategies for Elliptic Partial Differential Equations \(Long Version\) Online](#)

 [Download PDF A Comparison of HP-Adaptive Strategies for Elliptic Partial Differential Equations \(Long Version\)](#)

## See Also

---



### **The Mystery at Motown Carole Marsh Mysteries**

Carole Marsh Mysteries. Paperback. Book Condition: New. Randolyn Friedlander (illustrator). Paperback. 32 pages. Dimensions: 11.1in. x 8.7in. x 0.0in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery...

[Read Document »](#)

---



### **The Whale Tells His Side of the Story Hey God, I've Got Some Guy Named Jonah in My Stomach and I Think I'm Gonna Throw Up**

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in. Oh sure, well all heard the story of Jonah and the Whale a hundred times. But have we...

[Read Document »](#)

---



### **Animalogy: Animal Analogies**

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in. Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

[Read Document »](#)

---



### **Eagle Song Puffin Chapters**

Puffin. Paperback. Book Condition: New. Dan Andreasen (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 4.9in. x 0.3in. A contemporary middle grade story about confronting bullying and prejudice. Danny Bigtrees family has moved to Brooklyn, New York,...

[Read Document »](#)

---



### **The Stories Julian Tells A Stepping Stone Book™**

Random House Books for Young Readers. Paperback. Book Condition: New. Ann Strugnell (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 5.0in. x 0.4in. Julian is a quick fibber and a wishful thinker. And he is great at...

[Read Document »](#)