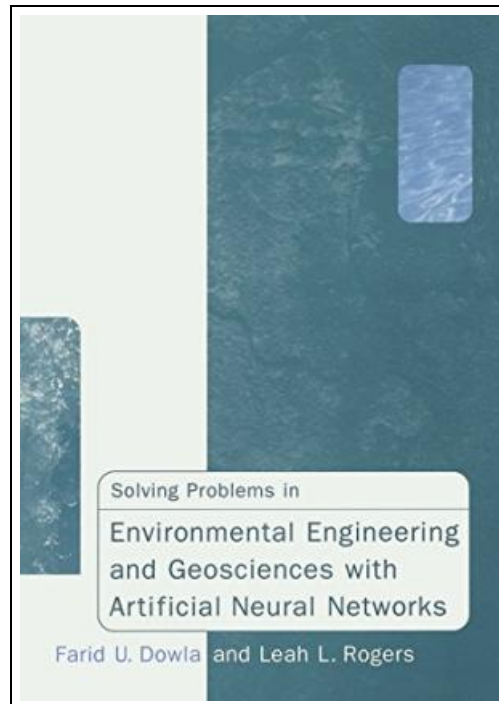


## Solving Problems in Environmental Engineering and Geosciences with Artificial Neural Networks



Filesize: 6.04 MB

### **Reviews**

*Very good e book and useful one. Better then never, though i am quite late in start reading this one. I am just quickly could possibly get a pleasure of reading through a published ebook.*  
*(Laron Cartwright)*

## SOLVING PROBLEMS IN ENVIRONMENTAL ENGINEERING AND GEOSCIENCES WITH ARTIFICIAL NEURAL NETWORKS

[DOWNLOAD](#)

The MIT Press. Paperback. Book Condition: New. Paperback. 252 pages. Dimensions: 9.8in. x 6.9in. x 0.8in. Artificial Neural Networks (ANNs) offer an efficient method for finding optimal cleanup strategies for hazardous plumes contaminating groundwater by allowing hydrologists to rapidly search through millions of possible strategies to find the most inexpensive and effective containment of contaminants and aquifer restoration. ANNs also provide a faster method of developing systems that classify seismic events as being earthquakes or underground explosions. Farid Dowla and Leah Rogers have developed a number of ANN applications for researchers and students in hydrology and seismology. This book, complete with exercises and ANN algorithms, illustrates how ANNs can be used in solving problems in environmental engineering and the geosciences, and provides the necessary tools to get started using these elegant and efficient new techniques. Following the development of four primary ANN algorithms (backpropagation, self-organizing, radial basis functions, and hopfield networks), and a discussion of important issues in ANN formulation (generalization properties, computer generation of training sets, causes of slow training, feature extraction and preprocessing, and performance evaluation), readers are guided through a series of straightforward yet complex illustrative problems. These include groundwater remediation management, seismic discrimination between earthquakes and underground explosions, automated monitoring for acoustic and seismic sensor data, estimation of seismic sources, geospatial estimation, lithologic classification from geophysical logging, earthquake forecasting, and climate change. Each chapter contains detailed exercises often drawn from field data that use one or more of the four primary ANN algorithms presented. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

[Read Solving Problems in Environmental Engineering and Geosciences with Artificial Neural Networks Online](#)[Download PDF Solving Problems in Environmental Engineering and Geosciences with Artificial Neural Networks](#)

## You May Also Like



### Marm Lisa

Echo Library. Paperback. Book Condition: New. Paperback. 80 pages. Dimensions: 9.0in. x 6.0in. x 0.2in. Kate Douglas Wiggin, nee Smith (1856-1923) was an American childrens author and educator. She was born in Philadelphia, and was of...

[Download eBook](#)

»



### The Gosh Awful Gold Rush Mystery Real Kids, Real Places

Gallopade International. Paperback. Book Condition: New. Paperback. 146 pages. Dimensions: 7.4in. x 5.3in. x 0.6in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an...

[Download eBook](#)

»



### The Ghosts of Pickpocket Plantation Pretty Darn Scary Mysteries

Gallopade International. Paperback. Book Condition: New. Paperback. 109 pages. Dimensions: 7.4in. x 5.2in. x 0.3in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an...

[Download eBook](#)

»



### Nancy Clancy, Super Sleuth Fancy Nancy

HarperCollins. Paperback. Book Condition: New. Robin Preiss Glasser (illustrator). Paperback. 144 pages. Dimensions: 7.4in. x 5.1in. x 0.5in. Kids who grew up with Jane OConnors Fancy Nancy picture books can spend some quality time with their...

[Download eBook](#)

»



### Harts Desire Book 2.5 La Fleur de Love

Cajunflair Publishing. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. Its late 1974, and high school student, Melinda Dawson is in serious trouble. Within two hours of revealing her suspected pregnancy...

[Download eBook](#)

»

**Tiger Tales DK Readers, Level 3 Reading Alone**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.7in. x 5.7in. x 0.2in. Hunter or hunted How much longer will these magnificent beasts prowl the plain? These stories will touch your heart. The 48-page

[Download](#) [eBook](#)

»

**Scholastic Discover More Animal Babies**

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.6in. x 0.5in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the

[Download](#) [eBook](#)

»

**Magnificat in D Major, Bwv 243 Study Score Latin Edition**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 70 pages. Dimensions: 9.8in. x 7.2in. x 0.3in. Bach composed the first version of this piece in 1723 using the key of E-flat major for the Christmas Vespers

[Download](#) [eBook](#)

»

**DK Readers Invaders From Outer Space Level 3 Reading Alone**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.9in. x 5.9in. x 0.1in. Are aliens from other planets visiting Earth? Read these amazing stories of alien encounters -- and make up your own mind!

[Download](#) [eBook](#)

»

**NirV Outreach Bible**

Biblica. Paperback. Book Condition: New. Paperback. 1344 pages. Dimensions: 8.4in. x 5.6in. x 2.5in. This low-cost New International Readers Version Bible (NirV) is affordably priced for giving away, and is a very effective translation for children,

[Download](#) [eBook](#)

»