



## Double-Diffusive Convection in Rotational Shear (Paperback)

By Naval Postgraduate School

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book examined the effect a variety of induced velocity shears had on salt finger formation. Two harmonic, single frequency velocity profiles were utilized under varied shear strength and angular frequency. The third multi-frequency experiment employed a stochastic shear wave field. This model used frequencies that conformed to the GM spectral model for internal waves with an initial random phase distribution, modeling an environment representative of typical oceanic conditions. These shear profiles were incorporated in a double diffusion numerical model. The model resolved the formation and development of salt fingers and recorded the resultant salt and heat fluxes. The results showed that shear strength and direction influenced salt finger diffusion rates and structure alignment. For a stochastic environment, this effect is driven largely by near-inertial motions. The low-frequency waves align salt fingers, and the wax and wane of these waves impact the instantaneous diffusive rates. These internal waves reduced the salt and heat flux to that representative for un-sheared two-dimensional double diffusion simulation.



**READ ONLINE**  
[ 1.97 MB ]

### Reviews

*This book will never be straightforward to start on reading through but quite enjoyable to learn. Better then never, though i am quite late in start reading this one. Your lifestyle span will probably be convert once you complete reading this publication.*

-- **Dr. Kadin Hane DVM**

*This publication may be worth purchasing. it was actually writtern quite flawlessly and valuable. I am just happy to tell you that this is actually the very best book i actually have study inside my personal life and can be he best ebook for actually.*

-- **Frank Nienow**

## Other Books



### [Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A #1 Best Selling Children s Book Is Now A Coloring Book! Parents and...



### [From Out the Vasty Deep \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Love, ghosts, mystery and a sense of impending horror are the ingredients of this story which is...



### [The Yellow Wallpaper \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A journal of the descent into madness of a woman suffering from a temporary nervous depression -...



### [Twitter Marketing Workbook: How to Market Your Business on Twitter \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. Workbook. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Twitter Marketing Workbook 2016 Learn how to market your business on Twitter for free A best-selling...



### [Victory \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.It seemed Earth was a rich and undefended planet in a warring, hating galaxy. Things can be...



### [Child Versus Parent \(Paperback\)](#)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Notice: This Book is published by Historical Books Limited ( as a Public Domain Book, if you...