



## A STUDY ON COALESCENCE AND SPLINE FRACTAL INTERPOLATION FUNCTIONS

By Chand, Arya Kumar Bedabrata

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | HIDDEN VARIABLE BASED COALESCENCE FRACTAL INTERPOLATION FUNCTIONS AND GENERALIZED SPLINE FRACTAL INTERPOLATION FUNCTIONS | Fractal Interpolation Functions (FIF) and hidden variable FIF are used to approximate self-affine and non-self-affine objects respectively. To approximate, both type of data from a single IFS, the construction of Coalescence FIF is introduced. Their smoothness analysis is carried out through operator approximation. Results concerning on fractal dimension, stability and integral moment theory of Coalescence Affine FIFs are studied. Coalescence Bivariate Fractal Interpolation Surfaces (CBFIS) are developed in the present work by defining suitable vector-valued IFS. The effects of hidden variables on CBFIS and its roughness factors are also studied. The generalized spline FIF with any type of boundary conditions is introduced. The existence and methods of construction through moments and the convergence results of Cubic Spline FIFs are initiated in the present work. Coalescence Spline FIFs are introduced; their existence and method of construction are derived. Finally, Coalescence Cubic Spline FIFs are also constructed here through moments and their convergence results towards the original function are obtained. | Format: Paperback | Language/Sprache: english | 235 gr | 164 pp.



**READ ONLINE**  
[ 7.31 MB ]

### Reviews

*This is the finest book i have got study right up until now. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- Keanu Johns

*This is the finest book i have read until now. It is filled with wisdom and knowledge You can expect to like just how the author compose this ebook.*

-- Tobin Lesch

## See Also



### [Violet Rose and the Surprise Party](#)

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



### [Would It Kill You to Stop Doing That?](#)

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



### [God Loves You. Chester Blue](#)

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in. BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE! A charming book about a mysterious bear that shows up in the right place at just...



### [Unknown Pleasures](#)

Faber and Faber, 2001. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order. Orders are dispatched Monday â€” Friday...



### [The Ice Soldier](#)

Faber and Faber, 2006. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order. Orders are dispatched Monday â€” Friday...



### [Study and Master English Grade 6 Core Reader: First Additional Language](#)

Cambridge University Press (South Africa). Paperback. Book Condition: new. BRAND NEW, Study and Master English Grade 6 Core Reader: First Additional Language, Karen Morrison, Fiona Macgregor, Daphne Paizee, Study & Master English First Additional Language has been especially developed by an experienced...