The Many Uses of

Orthogonal Functions

...just the color figures for those who got the B&W printed book...

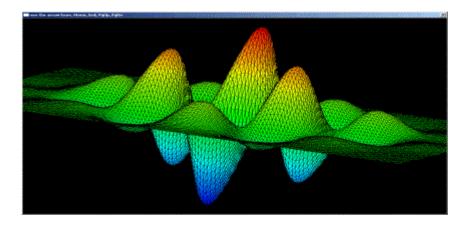
by D. James Benton

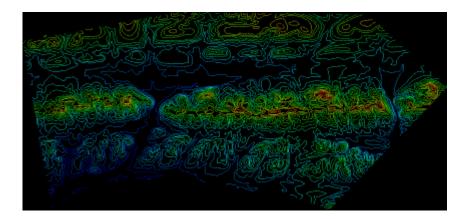
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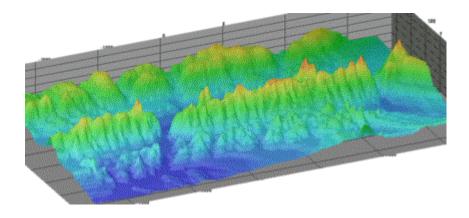
Foreword

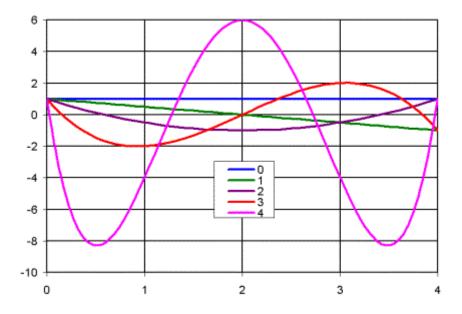
Orthogonal functions are clever tools that unlock many mathematical puzzles. Once you've seen this done and understand how they work, you will find many more useful applications. This remarkable area of applied mathematics supports a wide range of technologies, ranging from CAT scans to satellite pictures from space to unraveling the sounds of the deep. Join me on a tour of this fascinating topic in which we will explore data sampling and approximation in both temporal and spatial dimensions.

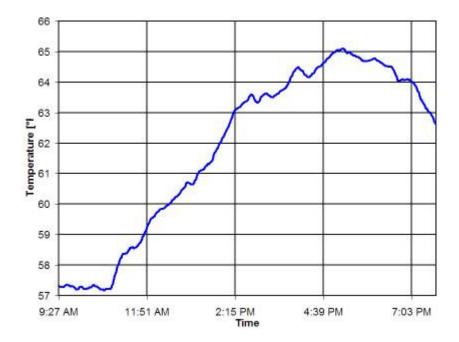
> All of the examples contained in this book, (as well as a lot of free programs) are available at... http://www.dudleybenton.altervista.org/software/index.html

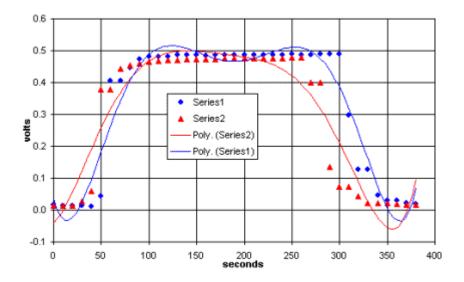


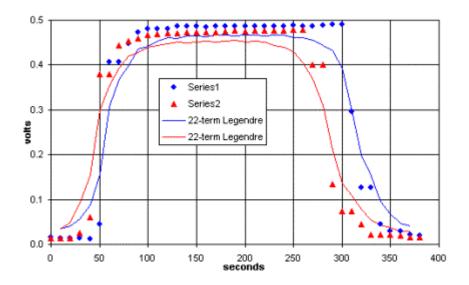


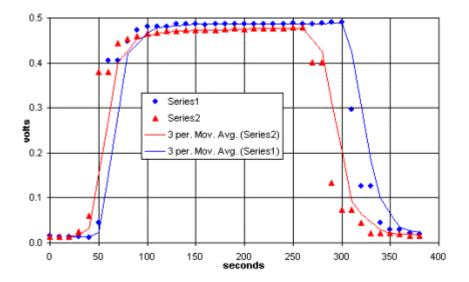


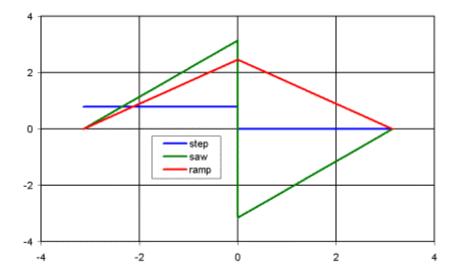


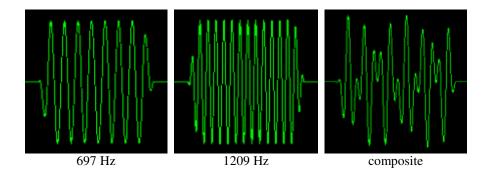


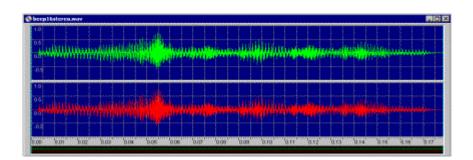


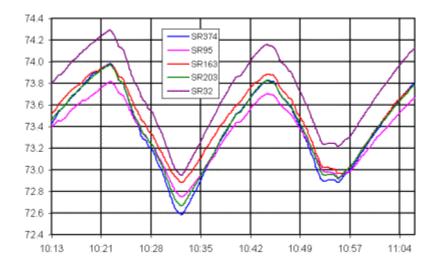


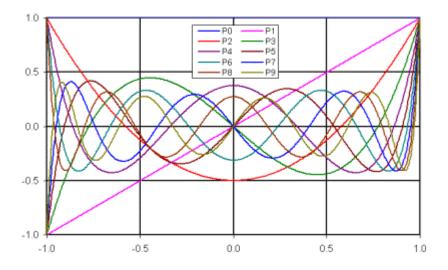


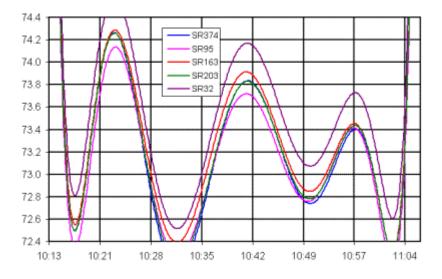


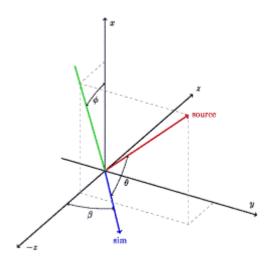


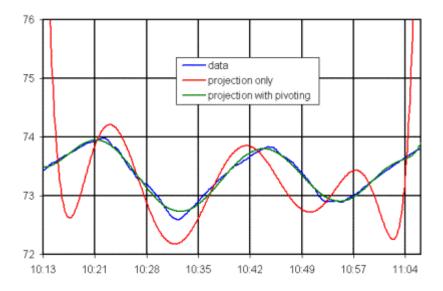


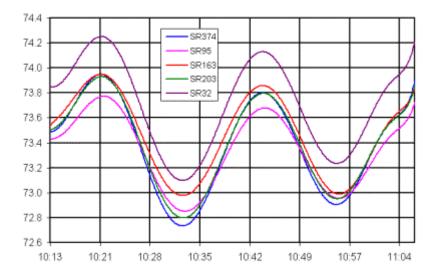


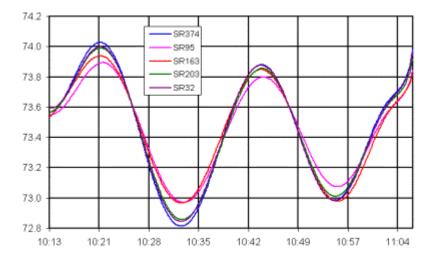


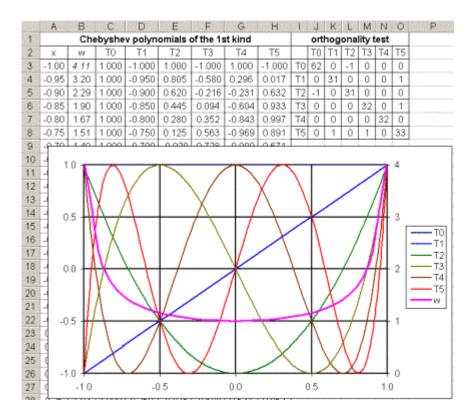


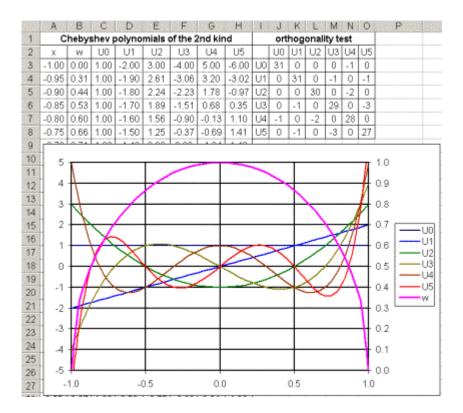


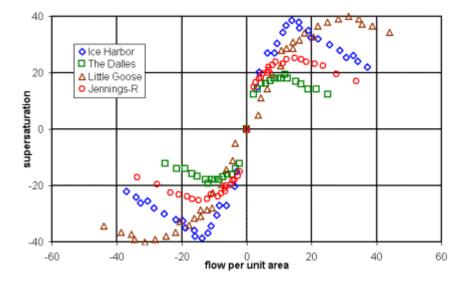


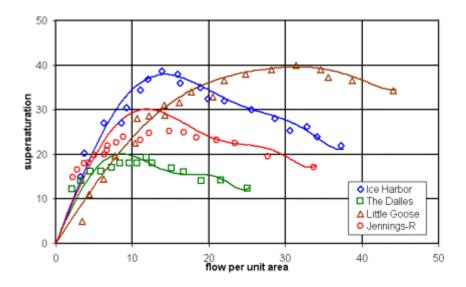


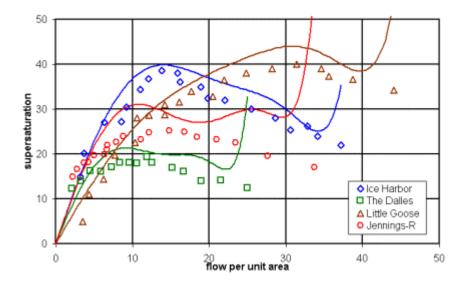


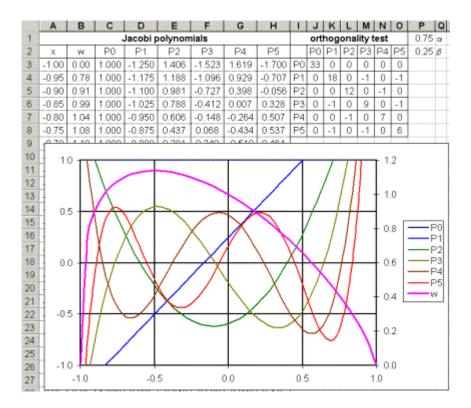


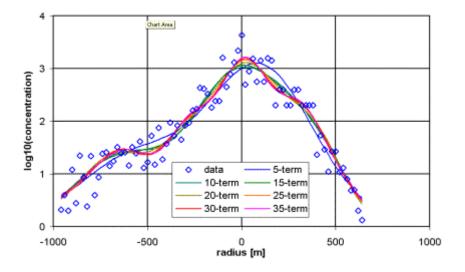


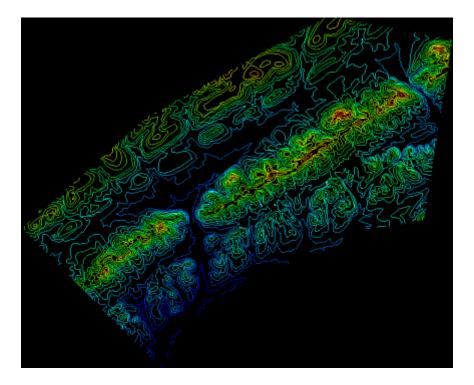


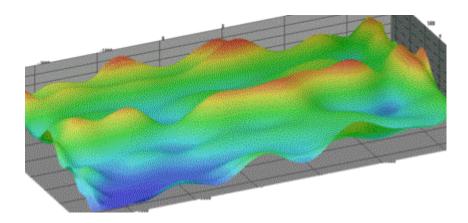


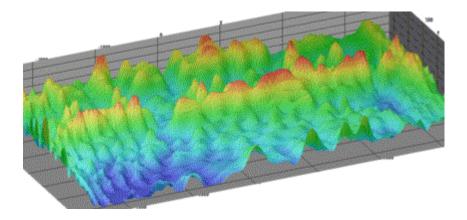


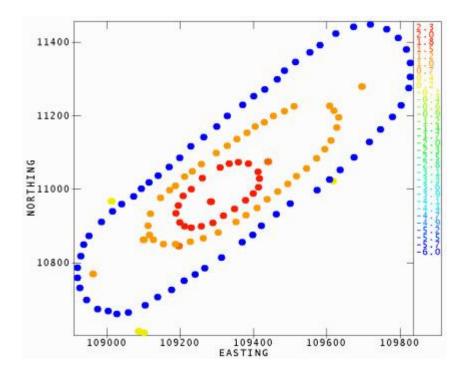


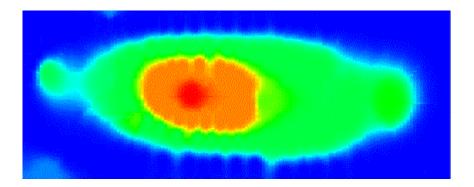


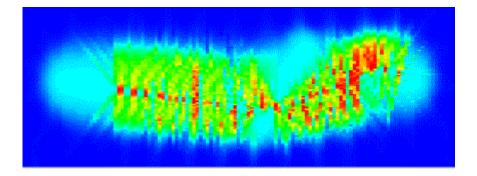


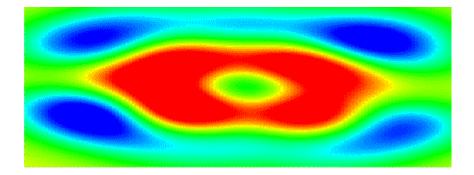


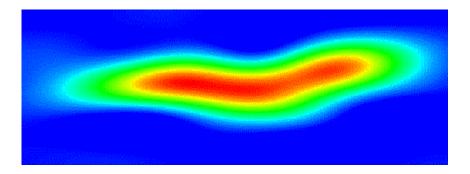


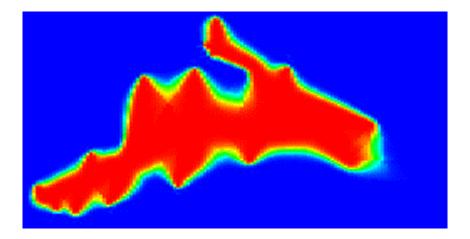


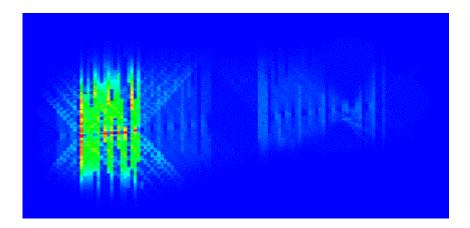


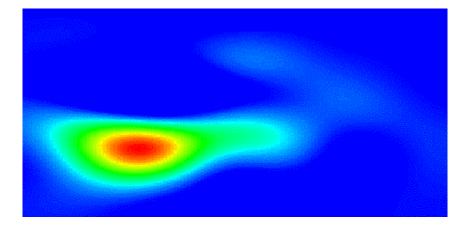


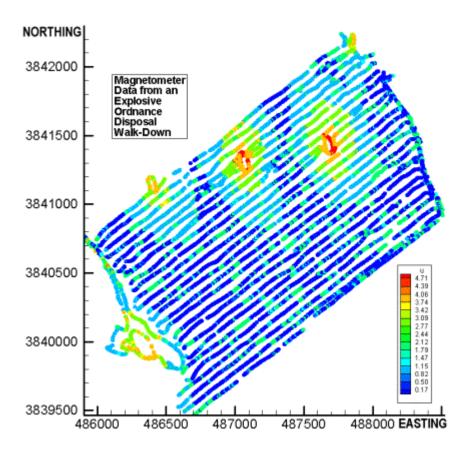


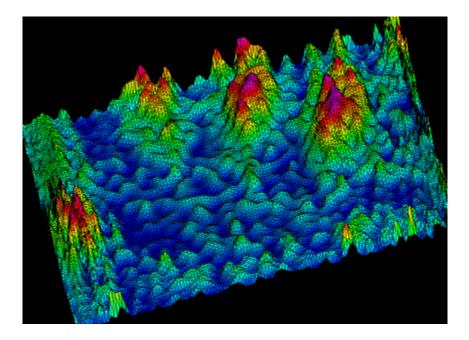


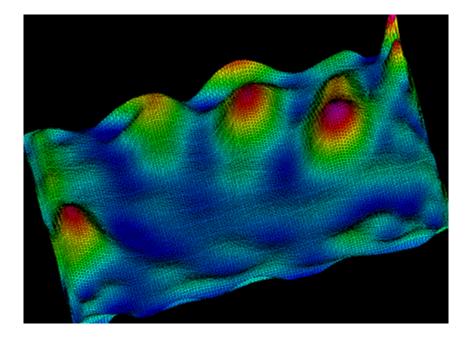


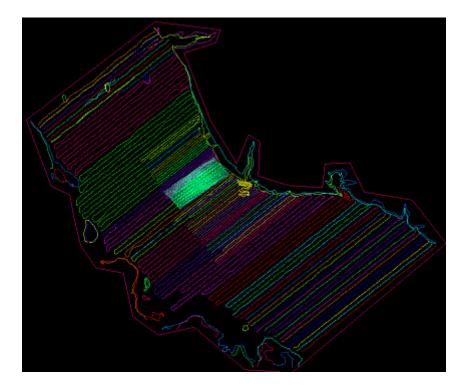


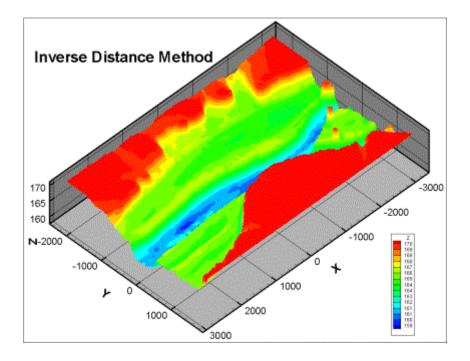


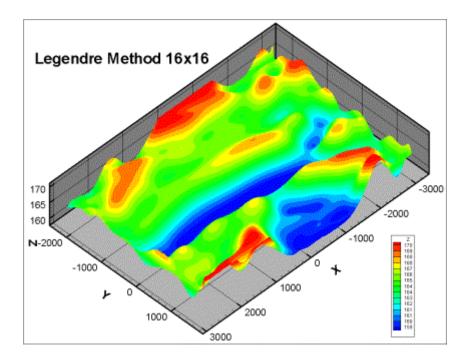


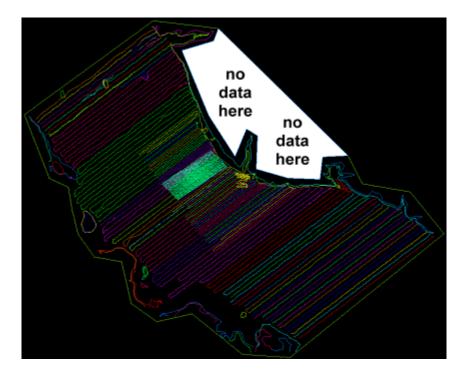


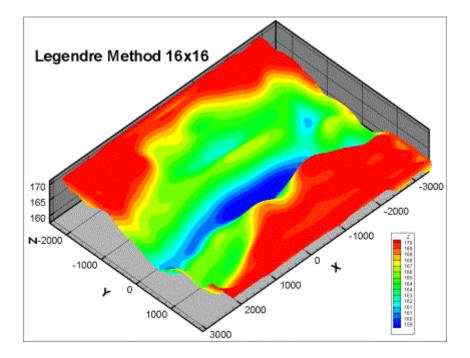


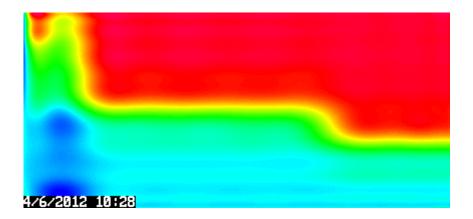


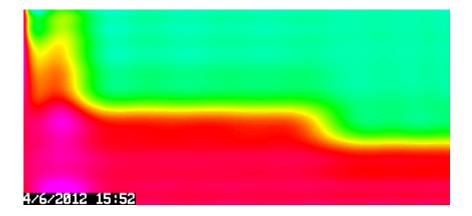


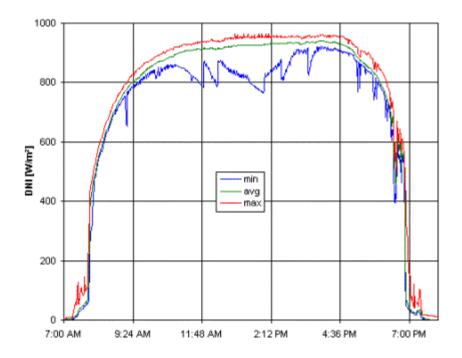


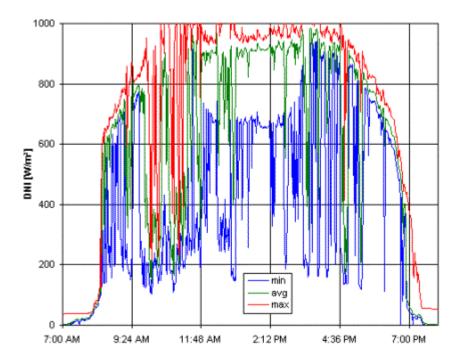


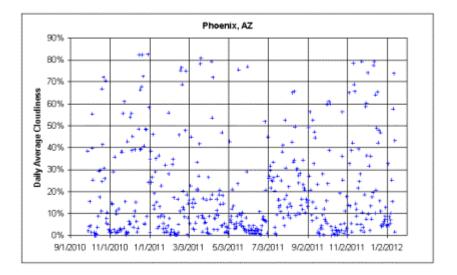


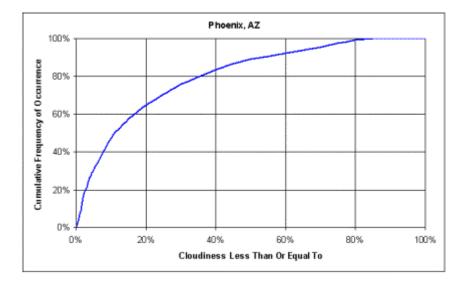


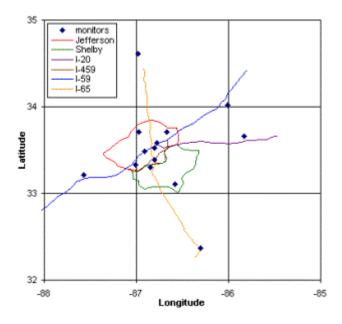


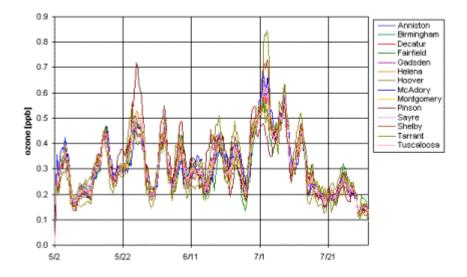


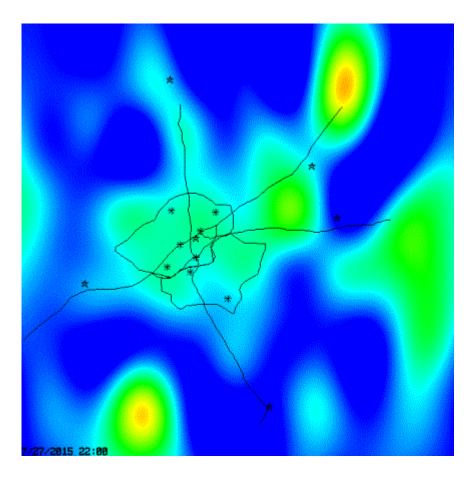


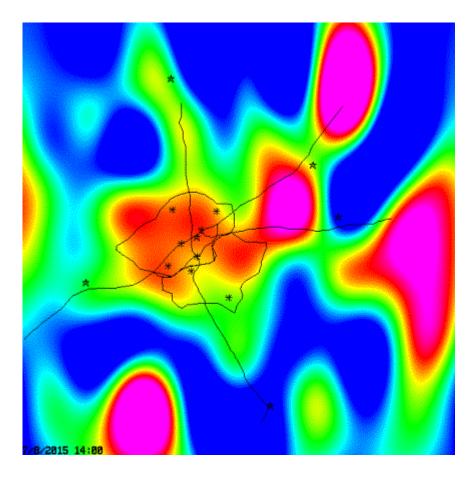


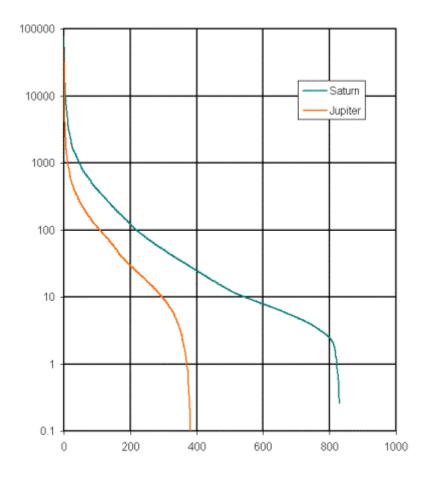


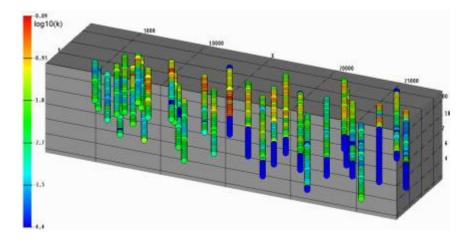


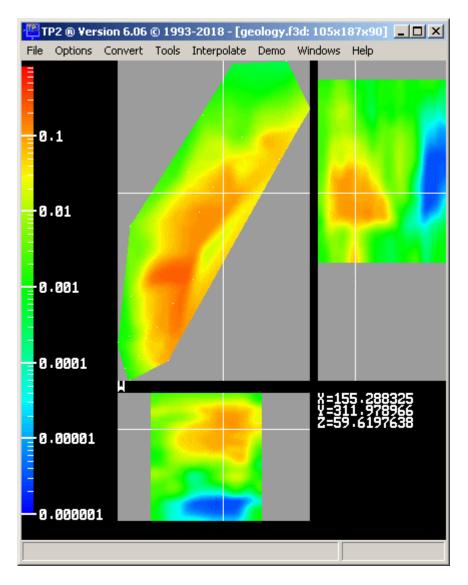




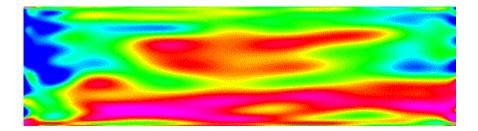


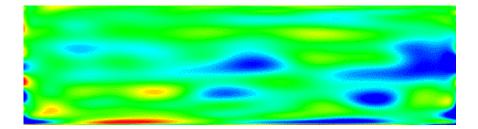


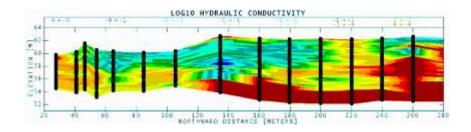




run>TP2 dataset1.f3d







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