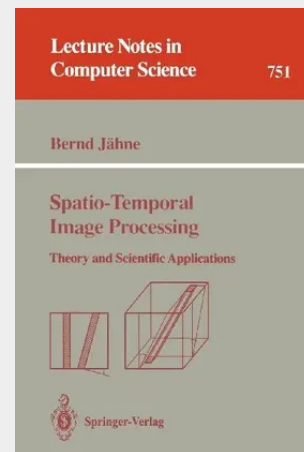


Spatio-Temporal Image Processing

Theory and Scientific Applications

Image sequence processing is becoming a tremendous tool to analyze spatio-temporal data in all areas of natural science. It is the key to study the dynamics of complex scientific phenomena. Methods from computer science and the field of application are merged establishing new interdisciplinary research areas. This monograph emerged from scientific applications and thus is an example for such an interdisciplinary approach. It is addressed both to computer scientists and to researchers from other fields who are applying methods of computer vision. The results presented are mostly from environmental physics (oceanography) but they will be illuminating and helpful for researchers applying similar methods in other areas.

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