



## **Special data base of Informational - Computational System "INM RAS - Black Sea"; for solving inverse and data assimilation problems**

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Development of Informational-Computational Systems (ICS) for data assimilation procedures is one of multidisciplinary problems. To study and solve these problems one needs to apply modern results from different disciplines and recent developments in: mathematical modeling; theory of adjoint equations and optimal control; inverse problems; numerical methods theory; numerical algebra and scientific computing.

The above problems are studied in the Institute of Numerical Mathematics of the Russian Academy of Science (INM RAS) in ICS for personal computers.

In this work the results on the Special data base development for ICS "INM RAS – Black Sea" are presented. In the presentation the input information for ICS is discussed, some special data processing procedures are described. In this work the results of forecast using ICS "INM RAS – Black Sea" with operational observation data assimilation are presented.

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### References

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