

# Onboard navigation and orientation systems for artificial Earth satellites

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The book deals with theoretical and practical issues of designing complex onboard navigation and orientation systems which form the basis for up-to-date motion control systems of space vehicles (SV) and artificial Earth satellites (AES). Algorithmic description of their operation processes is presented, accuracy estimate is given for tasks solution at different primary navigation information sources used, arrangement of its measuring. Up-to-date scientific methods of information processing using up-to-date equipment are described.

The book is intended for a wide range of specialists engaged in development, testing and operation of onboard navigation and orientation systems for SV and AES. It can be a good educational aid for senior students and postgraduates.

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