Radio-telescope RT-7.5 mechatronic control system modernization

© V.A. Polskiy, Y.I. Rassadkin, A.V. Sinitsyn

Bauman Moscow State Technical University, Moscow, 105005, Russia

In the article presented here the problem of modernization of mechanotronic control system of radio-telescope is considered. General methods of modernization and some control algorithms are described.

Keywords: mechanotronic control system, radio-telescope mechanotronics.

Polskiy V.A. (b. 1957) graduated from Bauman Moscow Higher Technical School in 1981. Ph.D., Assoc. Professor of the Robotic Systems Department of Bauman Moscow State Technical University. Author of 40 papers in Robotics. e-mail: polsky@rk10.bmstu.ru

Rassadkin Yu.I. (b. 1947) graduated from Bauman Moscow Higher Technical School in 1971. Ph.D., Assoc. Professor of Special Robotics and Mechatronics Department of Bauman Moscow State Technical University. Author of more than 60 papers in Robotics. e-mail: rassadkin@sm.bmstu.ru

Sinitsyn A.V. (b. 1967) graduated from Bauman Moscow Higher Technical School in 1989. Ph.D., Assoc. Professor of Special Robotics and Mechatronics Department of Bauman Moscow State Technical University. Author of 25 papers in Robotics. e-mail: kutta@mail.ru