

85) Przegląd ElektrotechnicznyОткрытый доступ

Volume 95, Issue 4, 2019, Pages 172-175

Coordination of serial-parallel manufacturing processes of milk production(Article)

[Koordynacja szeregowo-równoległych procesów produkcyjnych w wytwarzaniu mleka]

Bayas, M.M.a,b, Dubovoi, V.M.b, Rovira, R.H.a,b, Pavlov, S.V.b, Grądz, Ż.c, Smailova, S.d, Bissarinov, B.e

aUniversidad Estatal Península de Santa Elena, Ave. La Libertad, Libertad, EC240250, Ecuador

bVinnytsia National Technical University, Ukraine

cLublin University of Technology, Institute of Electronics and Information Technology, Nadbystrzycka 38A, Lublin, 20-618, Poland

Просмотр дополнительных организаций

Краткое описание Просмотр приставочных ссылок (24)

The use of spatially distributed technological objects in industry and production systems is an ever-increasing trend. The optimal coordination algorithm is used in the information technology for the control of preparation and packaging of dairy products based on SCADA/HMI. The optimizing task is solved by genetic algorithm. In the process of coordination is carried out resource allocation and synchronization of technological lines. The results obtained ensure reduction of losses from equipment downtime and increase the production efficiency. © 2019, Wydawnictwo SIGMA-NOT. All rights reserved.