

Lobachevskii Journal of Mathematics 2015 vol.36 N2, pages 211-214

---

## About one algorithm for solving scheduling problem

Shulgina O., Shcherbakova N.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

© 2015, Pleiades Publishing, Ltd. In this paper we proved the new properties optimal schedules for unknown strongly NP-complete scheduling problem of minimizing maximum lateness on a single machine, not allowing preemption. Pseudopolynomial implementation of the general scheme for solving that problem based on these properties is developed.

<http://dx.doi.org/10.1134/S1995080215020171>

---

### Keywords

complexity, lateness, NP-completeness, properties, pseudopolynomial algorithm, scheduling, sequencing