

6. *Sobolevska M., Telychko I.* Passive safety of high-speed passenger trains at accident collisions on 1520 mm gauge railways. *Transport problems*. 2017. V. 12. Issue 1. P. 51–62.
7. *Krieg R. D., Key S. W.* Implementation of a time independent plasticity theory into structural computer programs. Vol. 20 of *Constitutive equations in viscoplasticity: computational and engineering aspects*. New York: ASME, 1976. P. 125–137.
8. *Johnson G. R.* *Plasticity theory*. London: Butterworths, 1982. 224 p.
9. *Cowper G. R., Symonds P. S.* *Strain Hardening and Strain Rate Effects in the Impact Loading of Cantilever Beams*. Providence : Brown University, 1958. P. 46.
10. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
11. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
12. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
13. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
14. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
15. *Johnson G. R., Cook W. G.* *Engineering plasticity*. London: Butterworths, 1976. 464 p.
16. *Markova O., Kovtun H., Maliy V.* Modelling train motion along arbitrary shaped track in transient regimes. *IMEchE Part F: J. Rail and Rapid Transit*. 2015. 229(1). P. 97–105.
17. *Markova O., Kovtun H., Maliy V.* Modelling train motion along arbitrary shaped track in transient regimes. *IMEchE Part F: J. Rail and Rapid Transit*. 2015. 229(1). P. 97–105.

07.08.2018,
25.09.2018