

## ANALYSIS OF TRANSMITTED REGIMES OF WEDGE-BELT VARIATORS

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Abstract: It is explored correlation of transmassive attitude by time that is exit-time on required steady regime of variator. Change of variator's transmassive attitude is determined, and together with it and frequency of leading and following rollers rotation. Obtained analytical output - change of transmission ratio of V-belt variator in case of rational controlling of operation speed, which allows taking in account limitations to acceleration of driving shaft and limitations to the magnitude of controlling force of it. Achieved results will be used to calculate and design transmission mechanisms of transporting devices of roller technological machines in textile and leather industries.

Key words: V-belt variator, continuously stepless transmission, mobile disk, control.