

## Modified PID-Regulator

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### Abstract

The paper demonstrates the possibility of creation of modified PID-regulator on the base of classical PID-regulator supplemented with pseudo-linear chain with amplitude suppression and with the phase forestalling. It is established that the use of such modified PID-regulator allows increasing of the quality of transient processes in systems of automatic control of non-stationary objects. On the base of the fulfilled researches, the conclusion has been stated that the said regulator is useable for the systems in which the parameters are changing in wide range. Therefore, said regulator can be treated as robust one.

### Key words

Modified PID-regulator, pseudo-linear chain with amplitude suppressing, pseudo linear chain with phase forestalling, quality of control, non-stationary controlled object.

### References

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