



Fig. 4. The angle of attack with the optimal control system

The graphic of the angle of attack is presented on Fig. 4. We see on Fig. 4, that the optimal control frequent changes the angle of attack near the given glissade.

References

1. Alekseyev V.M., Tikhomirov V.M., Fomin S.V. Optimalnoe upravlenie. – M.: Nauka, 1979. – 430 p.

2. Pontryagin L.S., Boltyanski V.G., Gamkrelidze R.V., Mischenko E.F. Matematicheskaya teoriya optimalnykh processov. – M.: Nauka, 1969. – 384 p.

3. Bellman R. Dinamicheskoe programmirovaniye. – M.: Inostrannaya literatura, 1960 – 400 p.

4. Diveyev A.I., Sofronova E.A. Metod geneticheskogo programmirovaniya dlya avtomaticheskogo podbora formul v zadache strukturnogo sinteza sistemy upravleniya.// Trudy Instituta Sistemnogo analiza RAN. Dinamika neodnorodnykh sistem/ Pod red-

aktseyey chlena-korrespondenta RAN Yu. S. Popkova. M.: ISA RAN, KomKniga. 2006. Vyp. 10(1). P. 14-26.

5. Diveyev A.I., Sofronova E.A. Zadacha strukturnogo sinteza sistemy avtomaticheskogo upravleniya.// Vestnik Rossiyskogo Universiteta Druzby Narodov. Seriya Inzhenernye issledovaniya. 2007, № 1. P. 48-58.

6. Holland J.H. Adaptation in Natural and Artificial Systems. Ann Arbor The University of Michigan Press, 1975.