

APPROACH WITH INFORMATIONAL SETS

As an *informational set* we mean a totality of all phase states of the system consistent with measurements received up to the current instant.

Theoretical questions joined with informational sets in different problems were investigated in works of N.N.Krasovskii, A.B.Kurzhanskii, A.I.Subbotin, F.L.Chernous'ko and their colleagues.

But a few works concern a construction of the informational sets in some concrete problems. It is stipulated by the fact that in concrete cases the informational sets can have very complicated structure.

In the problem considered, the informational sets are built in a four-dimensional space and are not convex. More than that, they can be disconnected.