

Development of reliability analysis methods of heat supply system

Stennikov V.A.

Energy systems institute
of the SB RAS
Department of pipeline
systems
Irkutsk
Russia
sva@isem.sei.irk.ru

Sennova E.V.

Open end Joint-Stock
Company "Gazprom Promgaz"
Moscow
Russia
E.Sennova@promgaz.gazprom.ru

Postnikov I.V.

Energy systems institute
of the SB RAS
Department of pipeline
systems
Irkutsk
Russia
postnikov@isem.sei.irk.ru

Abstract

In the article are considered a task of the reliability complex analysis of heat supply systems. The key approaches to the decision of the given task are proved, on the basis of which the system of mathematical models and methods is formulated, which allow to make a quantitative estimation of heat supply reliability of the consumers on the basis of central reliability index.