









the technological schemes which can be used for comparison of their state before and after the improvement alongside with base characteristics of the complex uncertainty.

### Conclusion

1 For the information analysis of quality of technological products and processes of their reception quantitative estimations of value of the information can be made only after the preliminary arrangement what exactly in each concrete case has value for considered metallurgical processes [5-9].

2 Use of the measure of certainty and uncertainty of the information allows analyze the general mechanisms of entropy-information laws of the technological repartitions being a fundamental analysis of all spontaneously proceeding processes of accumulation of the information which result in self-organizing technological processes, namely, to hierarchical systems. For multilevel hierarchical system of technological repartition is important to describe the subordinate levels interaction of the interconnected subsystems, each of which possesses the information properties. Therefore, at reception of an information estimation main attention is inverted on inter-level and intra-level interactions. The considered approach, in our opinion, fully complies with the basic requirements of the system entropy-information analysis as while modeling hierarchical system of technological processes it provides integrity of its consideration due to the general theoretical and methodical concepts allowing to keep in sight the system as a whole entirely for the solution of a task at all levels of hierarchical system.

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