**UDC 621.565**

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**The analytical method and graphic forms for determination**

**practically attainable and expedient efficiency of cryogenics**

**counterflow heat exchangers taking into account the second**

**factors of heat transfer is developed. The got decisions are not**

**symmetric in the regions of predominating thermal equivalent**

**warming and cooling streams. It is set that the decline of size**

**correlation thermal equivalents streams sharply diminishes the**

**expedient level of increase number transfer unit heat of real heat exchangers. The offered solutions additionally allow to specify the actual size of number transfer unit (a coefficient of**

**heat transfer) of effective heat-exchange apparatus. Il. 2. Bibliogr.**

**12 names.**