

CFD.

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: **1.** *Rybach L.* Status and prospects of geothermal heat pumps (GHP) in Europe and world-wide; sustainability aspects of GHPs. International course of geothermal heat pumps, 2002. **2.** 12, 2002. **3.** *Sanner B.* Ground Heat Sources for Heat Pumps (classification, characteristics, advantages). 2002. **4.** <http://www.insolar.ru/>

66.048.54

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1. =8÷10 ;
  2. 40% -
  3. ;
  4. , , -
  5. ( ); -
5. -

$$r = f(\Delta t ; [ ; u ; t ; ; r ; } ; \dots ; d_0 ; \ddagger ) \tag{1}$$