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<b>2. Denomination</b>
Efficiency of renewable energy use at the Syrian industrial enterprises consumers of heat power
<b>3. Specialty</b>
05.14.06. – Technical heat processes physics and industrial heat power engineering
<b>4. Employer</b>
Syria
<b>5. Dissertation research effected at</b>
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<p>The technical opportunity of creation of combined heat supply system for industrial heat supply objects on the basis of solar prefixes for boiler-houses is theoretically and practically proved. Constructive circuit of combined heat supply system is offered.</p> <p>Mathematical models of heat exchange processes in elements of combined heat supply system with the account solar-technical characteristics of the region of combined heat supply system operation are developed.</p> <p>Mathematical models of climatic conditions for Syria are developed. Energy characteristics of solar prefix to boiler-house are determined in view of hydraulic circuits of multi modular structure of solar collectors at long-term work of system.</p> <p>Technical and economic parameters of system and expediency of its use in structure of combined heat supply system are determined.</p> <p>The technique, algorithms and programs of numerical modeling heat processes in elements combined heat supply system is developed.</p> <p><b>Key words:</b> combined heat supply system, optimization of parameters, solar collector, solar prefix, boiler installation.</p>