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Possible ways of wider introduction in practice of effective

and environmentally friendly closed cooling systems of

marine power plants are considered. Visual and heat transfer

results of different methods of heat removal intensification

from ship shell to overboard water are presented. Particularly

gas-liquid method of heat transfer intensification is proposed.

In comparison with natural convection this method can increase

heat transfer to overboard water up to 20…25 times with temperature differences only 2…4 ºС. Il. 11. Bibliogr. 5 names.