

# THE EXERGETIC ANALYSIS FOR THE STEAM GENERATOR

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## ABSTRACT

*This work presents the exergetic method of thermodynamic analysis applied generating steam in power plants. Using the result of the exergetic method, we will identify the factors that reduce conversion capacity fuel-steam.*

## REFERENCES

1. Drăgan M., Panait T., *Economic analysis of a combined heat and power plant with condensing turbine*, The 13<sup>th</sup>\* International Expert Meeting Power Engineering, Maribor, Slovenia, 2004;
2. Drăgan M., Ciucescu E., "Analiza exergoeconomică a instalațiilor termoenergetice cu gaze ", A XII-a Conferință Națională de Termotehnică, Constanța, 2002, pag. 187;
3. Panait T., Uzuneanu K., Drăgan M., *Cogeneration -principe du development durable*, COFRET-2004, Universite Henri Poincaré, Nancy, France, 2004.
4. Panait T., Uzuneanu K., Drăgan M., *Some aspects of optimisation of gas-steam combined plants with additional burning*, International Journal of heat transfer, 2003;