

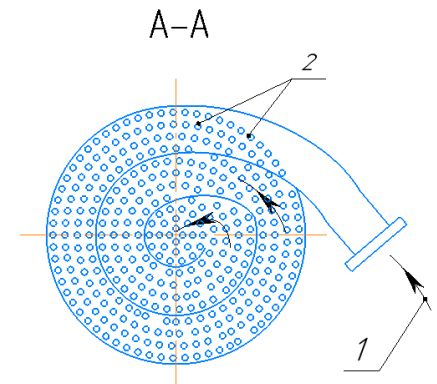
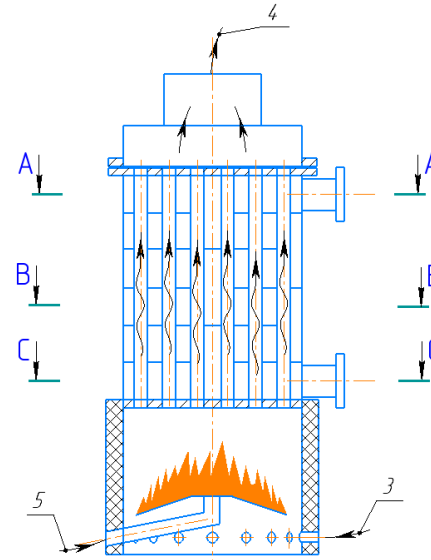
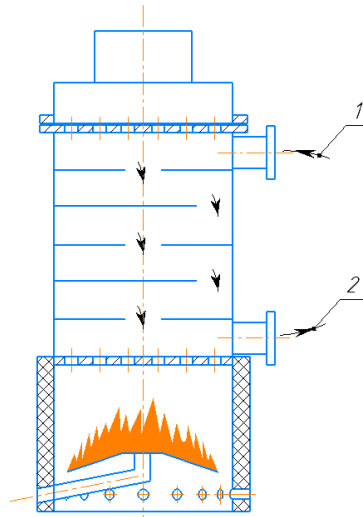
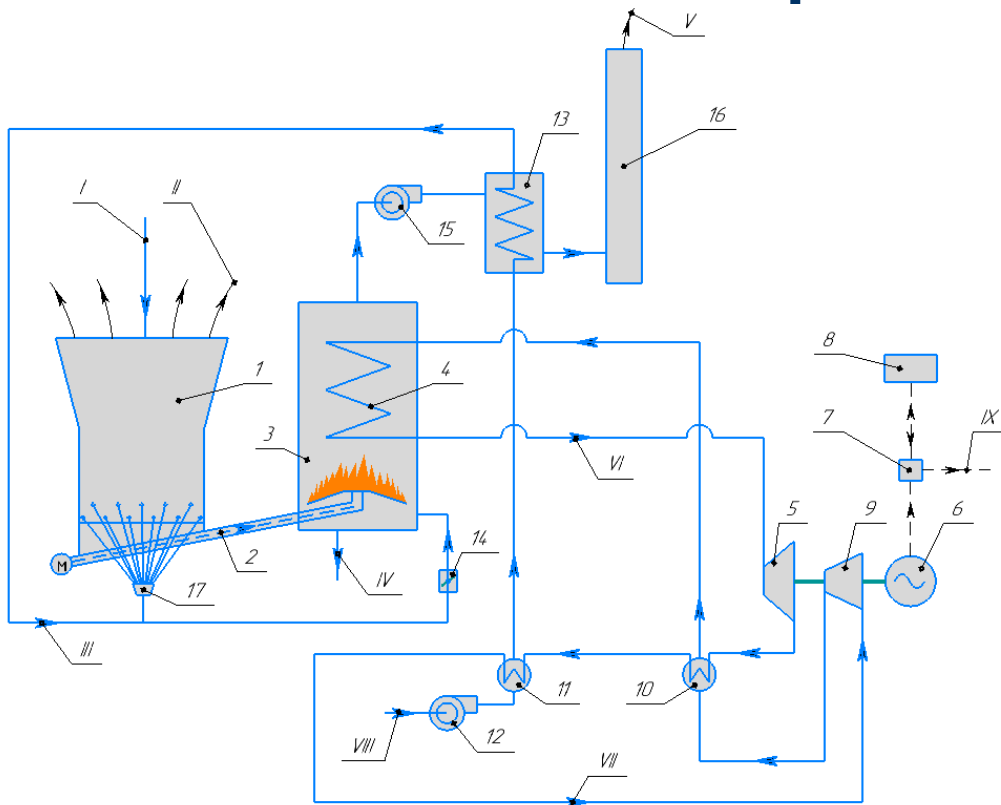
Agritech-VII: International Conference on Advanced Agritechnologies, Environmental Engineering and Sustainable Development

Development and numerical simulation of a power plant with a closed-
cycle gas turbine running on wood fuel

P N Anisimov and A A Medyakov

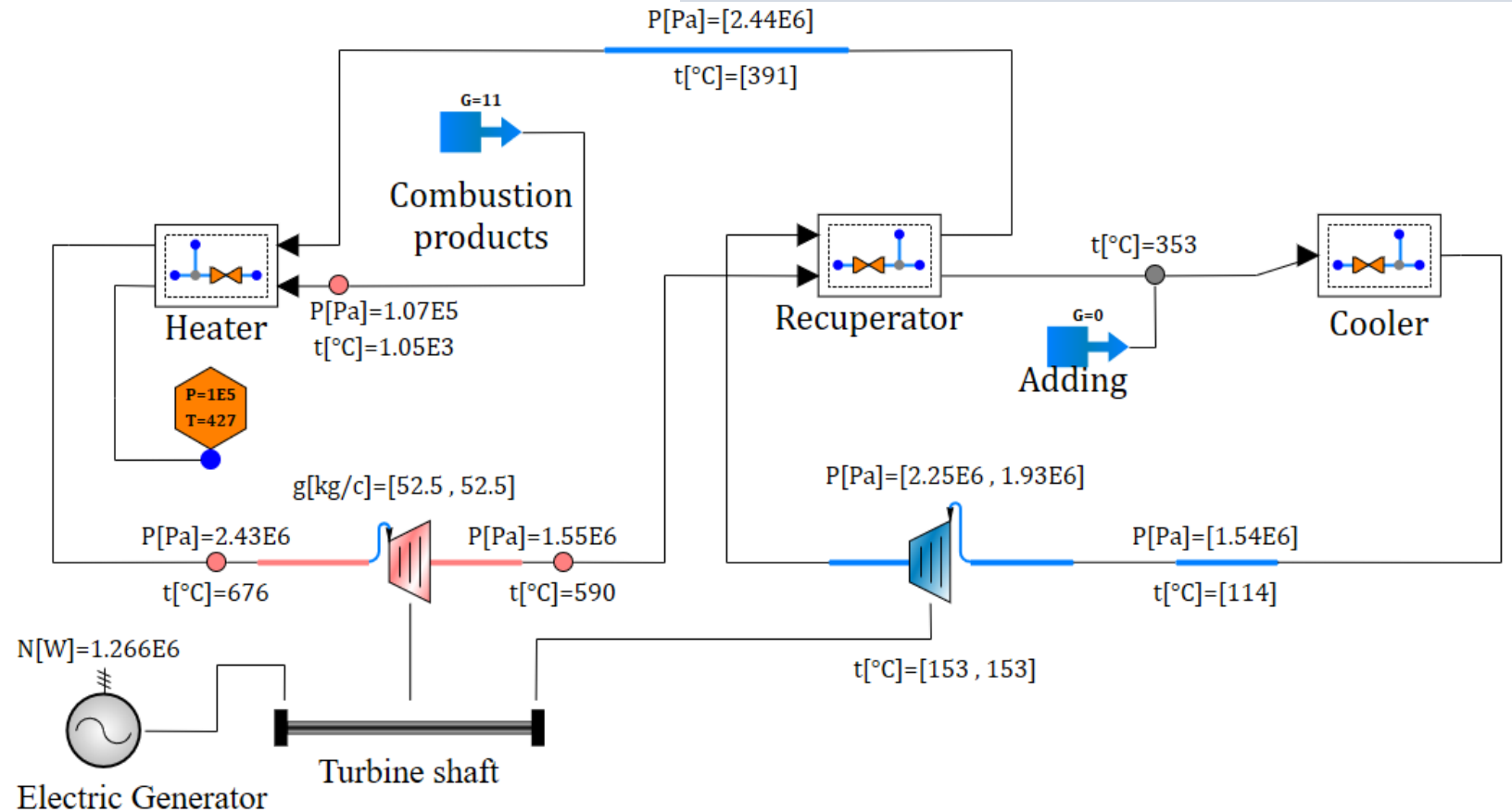
Problem statement

- Propose a scheme for a power plant with an electric power of 1 MW for autonomous energy supply using wood fuel⁰²
- Substantiate constructive solutions
- Develop a mathematical model
- Complete research



- Numerical simulation in SimInTech

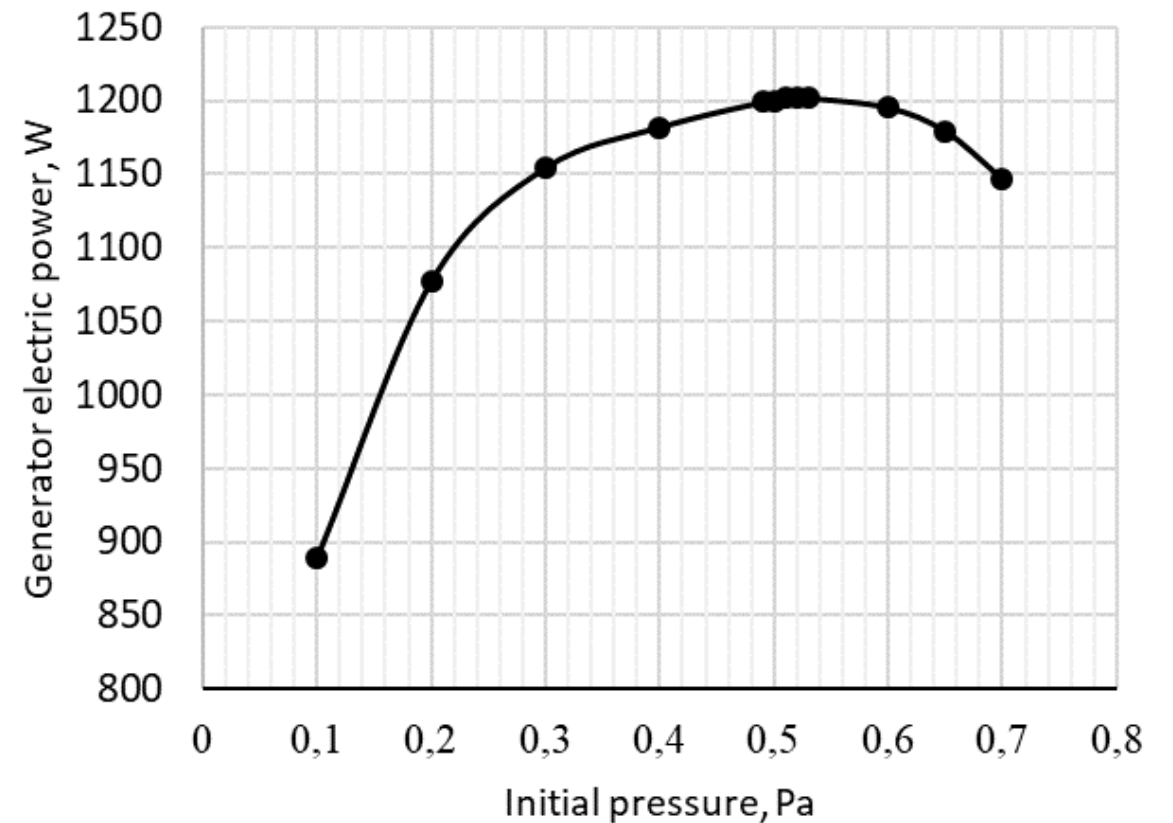
Solution methods



Conclusions

Results, implementation

The optimal value of the initial pressure of the gas turbine working fluid



Contacts

Pavel N Anisimov and Andrey A Medyakov

Volga State University of Technology

E-mail: AnisimovPN@list.ru