

actors, their period and oscillations, and prompt and delayed neutrons.

Chapter 5 covers the theory of the heterogeneous reactor. The construction of reactors with different kinds of fuels, moderators, reflectors, and heat transport is discussed in chapter 6. Reactor operation and control and the burning up and poisoning of the fuel (and its regeneration) are the topics dealt with in chapter 7. Several types of reactors are described in chapter 8—especially light and heavy water as well as graphite moderated reactors. A survey of the use of reactors for research, education, and medical applications, for the production of fuel, isotopes, energy, and propulsion, and for industrial purposes is given in chapter 9. This chapter closes with a discussion of questions of law and organization.

Tables of contents, tables, figures, a glossary of symbols, and a large index are included.

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