Electronics

Chapter one
- The Fundamental electronics elements of power supply for laser systems.
  - Linear resistors, Non – linear resistors.
  - Photo resistors.
  - Thermo resistors.
  - Voltage- dependent resistors.
  - Capa citors.
  - Stored energy.
  - Charging and discharging capacitors.
  - Electrical coil and inductance of coils.
  - Electrical generated.

Chapter two
- Diodes and application.
  - Diode use in the rectifier.
  - Diodes half –wave rectifier.
  - Diodes cut wave and on.
  - Voltage doubters.
  - Simple stabilized power supply.
  - Zener diode.
  - Zener diode ratings.
  - Shotky diode.
  - Tunnel diode.

Chapter three
- The NPN transistor, as a switch, as an amplifier, applications and uses.

Chapter four
- Thyristors.
  - Methods of turning thyristors, on.
  - The trigger circuit and phase control of the thruster in integral circuit.
  - The diac.
  - The triac
  - The trigger circuit of power supply of the puls laser system.

Chapter five
- Application Integrated and electrical circuit
  - The differentiation and integration circuits
  - The square shapes circuits.
  - Multivi brators
  The trigger circuit of the laser system