

# **Description of the library of the Physics and Astronomy Department**

There are more than 2500 books in the different topics of Physics and Astronomy. There are about 200 Thesis, hundreds of student graduate projects, thousands of popular journals and thousands of research journals. Students can find many references guiding them in English learning, or speaking on the worldwide Universities, the system of study in KSU and Arabic public journals and newspapers. In the front of the library the student can have idea about the most recent arrived text books.

This collection is distributed as follows:

**A- English Books are distributed in the following topics:**

- 1- Mathematics and Mathematical physics ( 175 books)
- 2- Quantum Physics (120 books)
- 3- Mechanics ( 15 books)
- 4- Solar energy, solid state Physics ( 160 books)
- 5- General Physics ( 200 books)
- 6- Modern Physics ( 160 books)
- 7- Optics ( 50 books)
- 8- Chemistry ( 120 books)
- 9- Electricity and Magnetism ( 160 books)
- 10- Fluid mechanics (20 books)
- 11- Nuclear Physics ( 175 books)
- 12- High energy Physics (120 books)
- 13- Vibration and waves (20)
- 14- X-ray ( 10 books)
- 15- Thermodynamics ( 175 books)
- 16- Acoustics (20 books)
- 17- Astronomy and astrophysics ( 400 books)
- 18- Relativity (21 books)
- 19- Plasma Physics (15)
- 20- Electronics ( 50 books)

**B- Arabic books are distributed as follows:**

- 1- Educational reference books in Physics ( 280 books).
- 2- Astronomy (80 books)
- 3- Mathematics (120 books)
- 4- Different other topics ( 120 books)

There are educational references in english:

- 5- Shamus series(500 copy)
- 6- Problem solver (12 text)

**C- Public Journals in English:**

- 1- Scientific American
- 2- Astronomy
- 3- Astronomy now
- 4- Sky and telescope
- 5- National Geography
- 6- American Scientists
- 7- Science
- 8- New Scientists
- 9- Physics today

**D- Public journals in Arabic:**

**E- Student Projects distributed as follows:**

- 1- Astronomy
- 2- Riyadh city
- 3- Medical Physics
- 4- Renewable energy
- 5- Nano Physics
- 6- Mathematical Physics

- 7- Quantum Mechanics
- 8- Nuclear Physics
- 9- Radiation Physics
- 10- Material Science

**F- Research Journals:**

- 1- Mathematical Physics
- 2- Applications and technology of ionizing radiation
- 3- Bulletin of the American Physical Society
- 4- Applied Mathematics and information Sciences
- 5- Journal of optics
- 6- Physical Review
- 7- Review of Modern Physics
- 8- Cern Accelerator School (CAS)
- 9- Pub. Of A.S.P.
- 10- The Astrophysical Journal
- 11- Monthly Notes of the Royal Astronomical Society
- 12- Quarterly Journal of the Royal Astronomical Society.