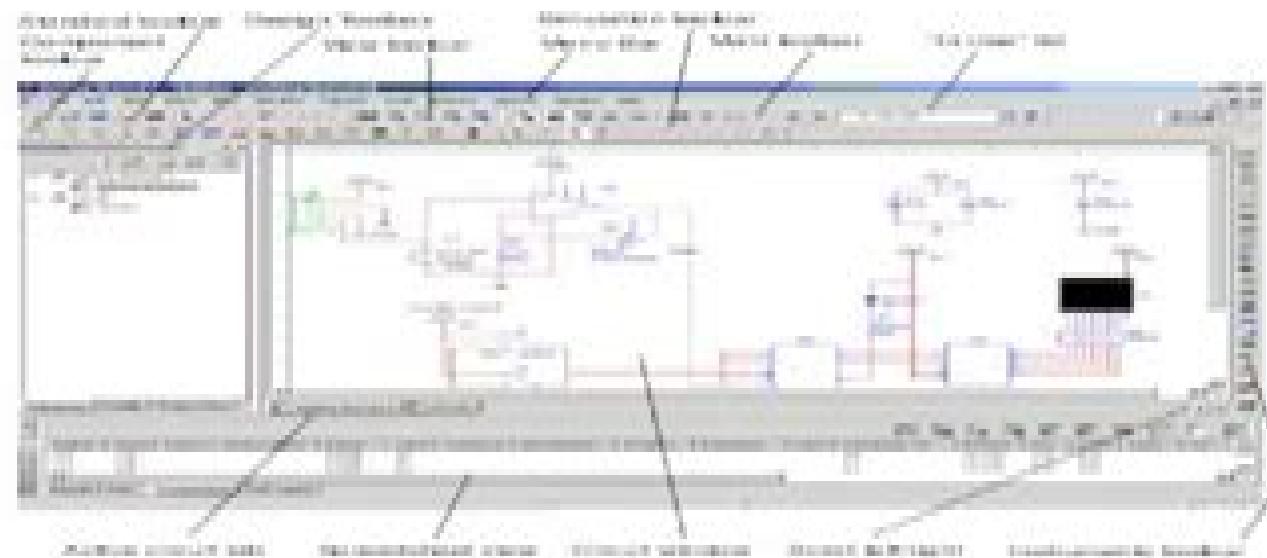


THE FUNDAMENTALS OF MELAB

Melab is defined as the interdisciplinary field of engineering and design methodology. It deals with the design of products, systems, processes, and the integration of mechanical, electrical, and electronic components, supported by a system of software. Melab is a system-level approach to integrating electronic and physical system design. It is a discipline that integrates functional, physical, electrical, and electronic system design. Melab design phases are important tools in the design manufacturing, and maintenance of a wide range of manufacturing products and processes. Melab is a problem reduction that makes efficient and reliable systems.

Introduction to the Melab User Interface

Melab is the software capture and simulation application of Mentor Graphics Circuit Design Suite, a suite of EDA (Electronic Design Automation) tools that assist you in carrying out the major steps in the circuit design flow. Melab is designed for schematic entry, simulation, and routing in design steps, such as PCB layout.



Melab's user interface consists of the following basic elements:

- **Toolbars** are where you find commands for all functions.
- The **Standard menu** contains buttons for commonly performed functions.
- The **Toolbars** toolbar contains buttons for starting, stopping, and other workflow functions.
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A Mechatronics Laboratory Design and Implementation for Mechanical Engineering Youw-Chyn Hsu,1991 **Basic Electronics for Mechanical Engineering Technology, ELN 8298 : Lab Manual** Bourgon, Gilles,Algonquin College,2000 **Laboratory Exercises in Mechatronics** Musa Jouaneh,2024-09-13 Familiarization ,2014

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