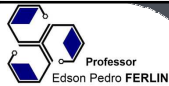


Simulação Microcontrolador 8051

Prof. Edson Pedro Ferlin

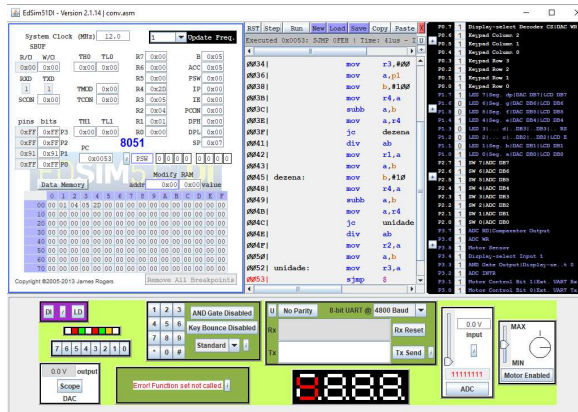


- **Objetivos**
 - Apresentar o simulador para microcontrolador 8051
- **Conteúdos**
 - Edsim51

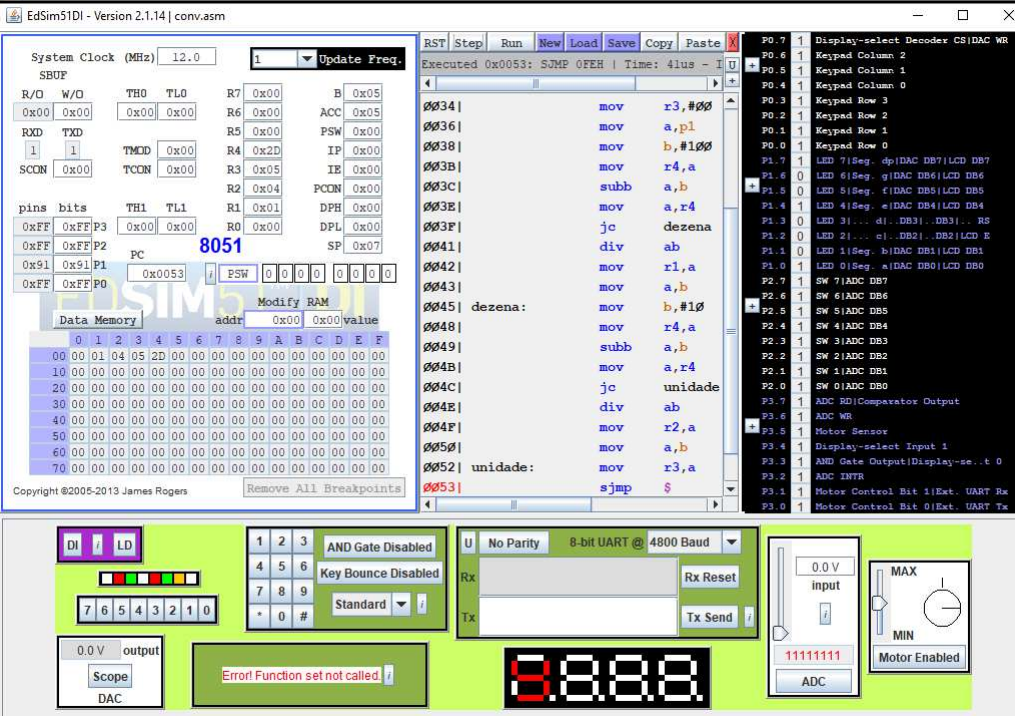
Simulador 8051

EdSim51

www.edsim51.com



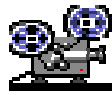
The screenshot shows the EdSim51 simulator interface. On the left, there are registers (R0-R7), special function registers (SBUF, TMO, TLO, RXD, TXD, SCON, TH0, TLO, TMO, TCO, TH1, TLO, TH0, TLO, TH1, TLO), and pins (P0-P3). The central pane displays assembly code with addresses from 0034 to 0053. The right pane shows a pin configuration table for PO.0 to PO.7. At the bottom, there is a hardware control panel with a keyboard, a display showing '8888', an ADC, and a motor control section.



This screenshot provides a more detailed view of the EdSim51 simulator. The assembly code in the center pane includes instructions like 'mov r3,#00', 'mov a,p1', 'mov b,#100', 'mov r4,a', 'subb a,b', 'mov a,r4', 'jc dezena', 'div ab', 'mov r1,a', 'mov a,b', 'mov b,#10', 'mov r4,a', 'subb a,b', 'mov a,r4', 'jc unidade', 'div ab', 'mov r2,a', 'mov a,b', 'mov r3,a', and 'sjmp \$'. The hardware control panel at the bottom shows a keyboard with a '0' key highlighted, a display showing '8888', an ADC with a value of '1111111', and a motor control section with 'Motor Enabled' checked.

Demonstração do Simulador

Assista o vídeo de demonstração do EdSim51
(link: <http://youtu.be/DtEsv590AS0>).



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