

CCS Simple - Code Composer Studio

File Edit View Project Scripts Window Help

Debug

proj_lab02a [Code Composer Studio - Device Debugging]

- Texas Instruments XDS100v2 USB Emulator_0/C28xx (Running)
- Texas Instruments XDS100v2 USB Emulator_0/CLA_0 (Disconnected : Unknown)

Project Explorer

- proj_lab01
- proj_lab02a [Active - Flash]**
 - Binaries
 - Includes
 - Flash
 - Release
 - adc.c
 - clk.c
 - CodeStartBranch.asm
 - cpu.c
 - drv8301.c
 - F28069F.cmd
 - flash.c
 - gpio.c
 - hal.c
 - memCopy.c
 - osc.c
 - pie.c
 - pll.c
 - proj_lab02a.c
 - pwm.c
 - pwr.c

Expressions

Expression	Type	Value
gMotorVars.UserErrorCode	enum unknown	USER_ErrorCode_NoError
gMotorVars	struct_MOTOR_Vars_t	{...}
gMotorVars.CtrlVersion	struct_CTRL_Version_	{...}
gMotorVars.Flag_enableSys	unsigned char	1 (Decimal)
gMotorVars.Flag_Run_Identify	unsigned char	0 (Decimal)
gMotorVars.Flag_enableForceAngle	unsigned char	1 (Decimal)
gMotorVars.Flag_enablePowerWarp	unsigned char	0 (Decimal)
gMotorVars.CtrlState	enum unknown	CTRL_State_Idle
gMotorVars.EstState	enum unknown	EST_State_Idle
gMotorVars.SpeedRef_krpm	long	0.09999996424 (Q-Value(24))
gMotorVars.MaxAccel_krpmps	long	0.1999999881 (Q-Value(24))
gMotorVars.Speed_krpm	long	0.0 (Q-Value(24))
gMotorVars.MagnCurr_A	float	28.35864
gMotorVars.Rr_Ohm	float	6.001563e-08
gMotorVars.Rs_Ohm	float	0.01945091
gMotorVars.Lsd_H	float	0.0003335204
gMotorVars.Lsq_H	float	0.0003335204
gMotorVars.Flux_VpHz	float	0.116446
gMotorVars.I_bias	struct_MATH_vec3_	{...}
gMotorVars.V_bias	struct_MATH_vec3_	{...}
gMotorVars.VdcBus_kV	long	0.03081220388 (Q-Value(24))
qDrvSpi8301Vars	struct_DRV_SPI_8301_Vars_t	{...}

Console

Scripting Console

CDT Build Console [proj_lab02a]

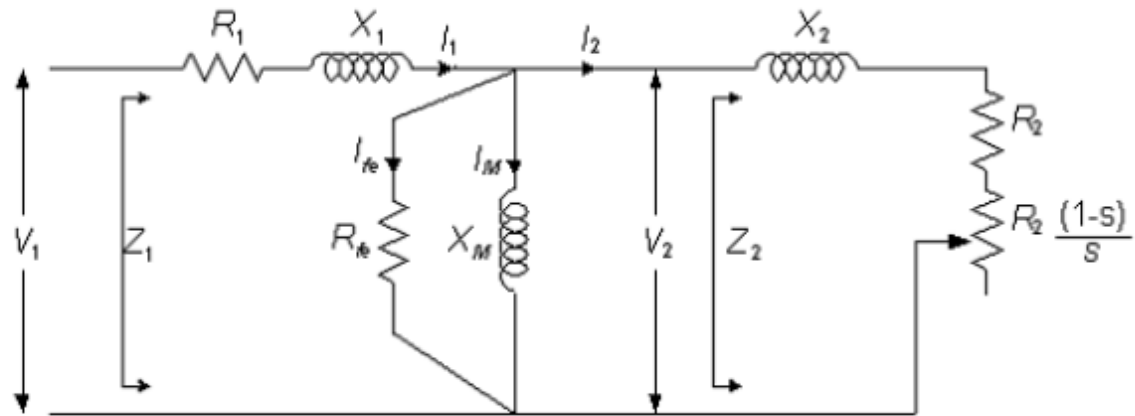
```
**** Build of configuration Flash for project proj_lab02a ****

"c:\ti\ccsv6\utils\bin\gmake" -k all
gmake: Nothing to be done for `all'.

**** Build Finished ****
```

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7:44 AM
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- V_1 is phase voltage, in V
 V_2 is rotor phase voltage referred to the stator, in V
 f is frequency, in Hz
 I_1 is line or stator current, in A
 I_2 is rotor current referred to stator, in A
 I_m is magnetizing current, in A
 I_{fe} is core loss current, in A
 m is number of phases
 R_1 is stator resistance, in ohms
 R_2 is rotor resistance referred to stator, in ohms
 R_{fe} is core loss resistance, in ohms
 G_{fe} is core loss conductance, in siemens
 X_1 is stator leakage reactance, in ohms
 X_2 is rotor leakage reactance referred to stator, in ohms