

THEREMINO SYSTEM

cycle of presentations

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Day -1-

- Basic functions of THEREMINO SYSTEM.
 - The SLOT
 - The HAL
 - Sensors
 - Actuators
 - HAL integrated scope
 - SlotViewWer
 - Slot naming
- Programming
 - The AUTOMATION LANGUAGE
 - Variable assignment
 - Buttons – text, slot, color, labels, enable/disable
 - For- next, with step, instead of while
 - Goto - Gosub - Return
 - If - Else - Endif

Day -2-

- Basic functions of THEREMINO SYSTEM.
 - Refresh the SLOT concept
 - Refresh the HAL concept
 - Refresh Sensors and Actuators
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Load:
 - OpenApp,CloseApp, CloseAll
 - Slots, Save Slots
 - Vars, Save Vars
 - Images, video, sound
 - Txt, pdf, Doc etc.
 - Programs
 - Variable from file
 - WEB address
 - Option Statement

Day -3-

- Basic functions of THEREMINO SYSTEM.
 - SLOT Min - Max
 - Refresh the HAL concept
 - Refresh Sensors and Actuators
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Option Statement
 - Keyboard key – press key – send key
 - Labels - EventStop - EventTimer
 - Print
 - Save

Day -4-

- Basic functions of THEREMINO SYSTEM.
 - SLOT Reset, assign a predefined value
 - Signal Scope
 - Wave generator
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Select
 - Case
 - CaseElse
 - EndSelect
 - Case(Special feature)
 - Multiple Instance of AUTOMATION LANGUAGE

Day -5-

- Basic functions of THEREMINO SYSTEM.
 - SLOT used to start acquisition of SignalScope
 - THEREMINO MASTER
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - SLOT
 - reading and writing
 - Recognize
 - Calibrate
 - Sleep,
 - Reset
 - Encoder A-B
 - Servo
 - Stepper motor

Day -6-

- Basic functions of THEREMINO SYSTEM.
 - THEREMINO and serial communication
 - THEREMINO TERMINAL
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - COM (serial port)
 - Commands
 - Functions
 - Receive buffer
 - use of the "Print" command
 - Hardware PAUSE
 - Single step
 - Hardware EMERGENCY

Day -7-

- Basic functions of THEREMINO SYSTEM.
 - DEBUGGING
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Debug Window
 - Breakpoint
 - Watches
 - Exec
 - Pause
 - Pause with LED blinking
 - Pause assignable to a slot
 - Speed

Day -8-

- Basic functions of THEREMINO SYSTEM.
 - THEREMINO TEXT TO SPEECH
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Expression and functions:
 - Slot(n) Sin(v) Cos(v) Asin(v) Acos(v) Tan(v) Atan(v) Atan2(v, v) Sqrt(v) Abs(v) Sign(v) Pow(v, v) Exp(v) Exp2(v) Exp10(v) Log(v) Log2(v) Log10(v) Int(v) Round(v) Mid(str, index) Mid(str, index, len) Len(str) Trim(str) PadLeft(str, places) PadRight(str, places) UCase(str) LCase(str) WCase(str) Format(v, style) Format(v) Str(v, style) Str(v) Chars(str, number) Replace(str, oldStr, newStr) RemoveComments(str) Chr(n) Asc(str) Bin(n) FromBin(str) Hex(n) FromHex(str) Now() Today() Date(year, month, day) ElapsedTime Rnd COM_Status COM_Received COM_Portnames MouseX MouseY MouseXP MouseYP MouseButtons GetSeparatedStringCount(str) GetSeparatedStringCount(str, separator) GetSeparatedString(str) GetSeparatedString(str, separator) Key(str) DecodeXML(str) FormatXML(str) FormatXML(str,n) Limit(n, Min, Max) LimitReached

Day -9-

- Basic functions of THEREMINO SYSTEM.
 - THEREMINO EDITOR
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Editore App
 - Vocabulary file
 - Sequences
 - Edit a sequence
 - Vocabulary
 - Automation command recognition from a sequence
 - Calling a sequence
 - Using sequence
 - Semigraphic characters

Day -10-

- Basic functions of THEREMINO SYSTEM.
 - STEPPER MOTOR MANAGEMENT
 - The HAL set up with microstep
 - Linear and angular movement
 - Acceleration, max speed and deceleration
 - Question time
- Programming
 - The AUTOMATION LANGUAGE
 - Search home sensors
 - Speed to search
 - Sensor reached
 - Change direction and speed
 - Changin level of home sensor
 - Assigne the value to slot
 - Virtual encoder
 - Safe working limits

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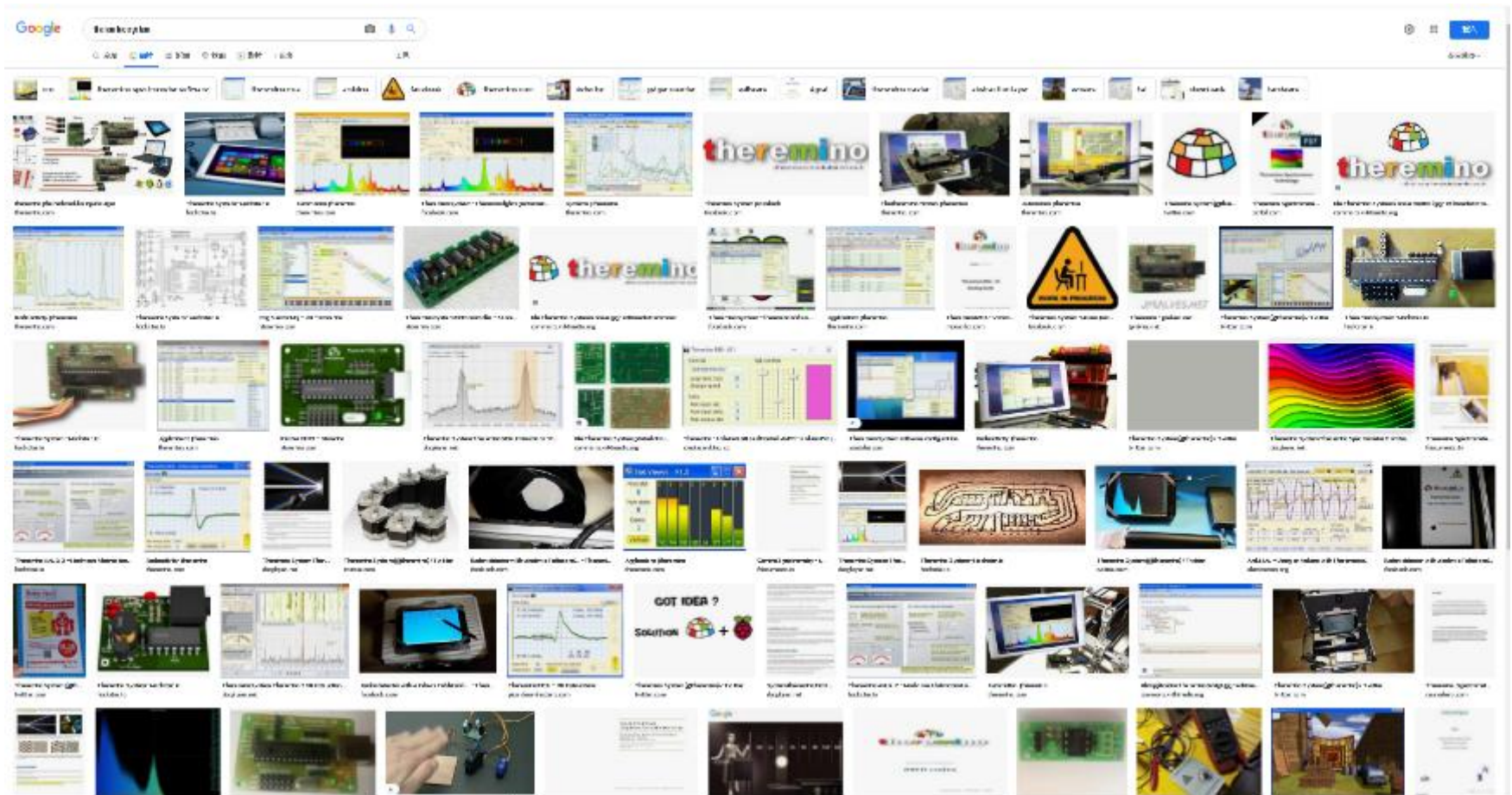
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谢谢你的时间