BeagleBone code examples

February 26, 2013

|  |  |  |
| --- | --- | --- |
| **Page** | **File name** | **Description** |
| **Chp 1** |  |  |
| 10 | blinkled.js | Blink two LEDS |
|  |  |  |
| **Chp 2** |  |  |
| 42 | Irtest1.js | Test IR sensor 1 |
| 47 | Irtest2.js | Test IR sensor 2 |
| 55 | blinky.js | Partial Blinky 602 robot control |
|  |  |  |
| **Chp 3** |  |  |
| 98 | LCD1.js | LCD code |
|  |  |  |
| **Chp 4** |  |  |
| 126 | ROV.js | Partial ROV control |
| 134 | 4Wrobot.js | Partial 4WD robot control |
|  |  |  |
| **Chp 5** |  |  |
| 163 | led1.cpp | Blink LED |
| 164 | led2.cpp | PB and led |
| 169 | led3.cpp | Blink LED at 5s interval |
| 180 | adc1.cpp | ADC conversion |
| 181 | adc2.cpp | ADC conversion |
| 188 | uart1.cpp | UART |
| 191 | spi.js | Serial SPI example |
| 195 | sq\_wave.cpp | Square wave generator |
| 199 | pwm.cpp | PWM example |
| 204 | Interrupt.js | Interrupt example |
|  |  |  |
| **Chp 6** |  |  |
| 220 | weather.js | Partial weather station code |
| 232 | sns.cpp | Speak and Spell (in progress) |
| 241 | dagu.cpp | Partial Dagu robot control code |
|  |  |  |
| **Appendix** | LCD2.cpp | LCD code (in progress) |
|  |  |  |