

Common Netlinx Checksum Calculations

Question:

What are some common checksum calculations in Netlinx programming?

Answer:

The attached checksum.axi file contains many common checksum calculations.

The included checksum calculations are:

- checksumAdd (A sum of all bytes, the most common checksum)
- checksumBxor (bxor bitwise exclusive or checksum, for some Sony)
- checksum1sCompliment (1's compliment checksum)
- checksum1sCompliment2byte (1's compliment checksum, returns "lo byte,hi byte" for Hitach HVD30)
- checksum2sCompliment (2's compliment checksum)
- checksum2sCompliment7bit (2's compliment checksum, 7 bit for roland/yamaha MIDI sysx)
- crc8
- CRC16 (IBM Checksum)
- crc16_bitwise
- CRC16C (CCITT Checksum)
- CRC32 (IEEE 802.3 Checksum)

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