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1.1 Bawk 1.1

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1.4 CRC-16-CCITT 1.0

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1.5 crc32.c N/A

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*
* First, the polynomial itself and its table of feedback terms. The
*polynomial is
*X^32+X^26+X^23+X^22+X^16+X^12+X^11+X^10+X^8+X^7+X^5+X^4+X^2+X^1+X^0
*
* Note that we take it "backwards" and put the highest-order term in
*the lowest-order bit. The X^32 term is "implied"; the LSB is the
*X^31 term, etc. The X^0 term (usually shown as "+1") results in
*the MSB being 1
*
* Note that the usual hardware shift register implementation, which
*is what we're using (we're merely optimizing it by doing eight-bit
*chunks at a time) shifts bits into the lowest-order term. In our
*implementation, that means shifting towards the right. Why do we
*do it this way? Because the calculated CRC must be transmitted in
*order from highest-order term to lowest-order term. UARTs transmit
*characters in order from LSB to MSB. By storing the CRC this way
*we hand it to the UART in the order low-byte to high-byte; the UART
*sends each low-bit to high-bit; and the result is transmission bit
*by bit from highest- to lowest-order term without requiring any bit
*shuffling on our part. Reception works similarly
*
* The feedback terms table consists of 256, 32-bit entries. Notes
*
* The table can be generated at runtime if desired; code to do so
*is shown later. It might not be obvious, but the feedback
*terms simply represent the results of eight shift/xor opera
*tions for all combinations of data and CRC register values
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial $ed88320
*/

1.6 DCE/RPC 1.1 :r0.7
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1.8 X 11 :6

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X Window System, Version 11, Release 6

Release Notes

Stephen Gildea

X Consortium

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fonts
Under xc/fonts/, the misc/ directory contains a family of fixed-width fonts from Dale Schumacher, several Kana fonts from Sony Corporation, two Hangul fonts from Daewoo Electronics, two Hebrew fonts from Joseph Friedman, two cursor fonts from Digital Equipment Corporation, and cursor and glyph fonts from Sun Microsystems. The Speedo directory contains outline fonts contributed by Bitstream, Inc. The 75dpi and 100dpi directories contain bitmap fonts contributed by Adobe Systems, Inc., Digital Equipment Corporation, Bitstream, Inc., Bigelow and Holmes, and Sun Microsystems, Inc.

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