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Contents

1.1 Bawk 1.1

1.1.1 Available under license

1.2 Brad Appleton - Options 1

1.2.1 Available under license

1.3 crc 1.0

1.3.1 Available under license

1.4 CRC-16-CCITT 1.0

1.4.1 Available under license

1.5 crc32.c N/A

1.5.1 Available under license

1.6 DCE/RPC 1.1 :r0.7

1.6.1 Available under license

1.7 RFC1321, The MD5 Message-Digest Algorithm Not Versioned. Copyright 1991-2

1.7.1 Available under license

1.8 X 11 :6

1.8.1 Available under license

1.1 Bawk 1.1

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1.3 crc 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 $edb88320
*/
```

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

May 16, 1994

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Xlib internationalization

The manager of the internationalization project is Masahiko Narita (Fujitsu). The principal authors of Input Method Protocol document are Hideki Hiura (SunSoft) and Masahiko Narita (Fujitsu). The principal authors of Xlib specification Chapter 13 are Hideki Hiura (SunSoft) and Shigeru Yamada (Fujitsu OSSI). The principal producers of the sample implementation of the internationalization facilities are Jeffrey

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RECORD

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X Input Extension tests

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PEX Ken Garnett (Shographics); Cheryl Huntington (Sun Microsystems); Karl Schultz (IBM); Jeff Stevenson (Hewlett-Packard Company); Paula Womack (Digital Equipment Corporation)

Multi-Buffering Extension

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X server

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McCormack (Digital Equipment Corporation), 64-bit mfb and cfb; Rob Lembre (Digital Equipment Corporation), 64-bit mfb and cfb; Davor Matic (MIT), xnest ddx; Nathan Meyers (Hewlett-Packard Company), font support; Jordan Brown (Quarterdeck Office Systems), -config option; Michael Brenner (Apple Computer), macII ddx; Thomas Roell, svga ddx

Multi-Threaded X Server

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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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