

EXHIBIT 12

ESM

Dictionary of Computing

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as to yield the sum and the difference at the same time. (T)

add file A file to which records are being added.

addition See parallel addition, serial addition.

addition without carry Deprecated term for non-equivalence operation.

additive attribute (1) In PL/I, a file description characteristic that must be stated explicitly or implied by another explicitly stated characteristic. Contrast with alternative attribute. (2) In data communications, a collection of multipoint addresses. Each address can be associated with an individual communications session. Contrast with alternative attribute.

additive color system In computer graphics, a system that reproduces an image by mixing (adding) appropriate quantities of red, green, and blue light. See also primary color. Contrast with subtractive color system.

add mode In addition and subtraction operations, a mode in which the decimal marker is placed at a predetermined location with respect to the last digit entered. (I) (A)

add operation (1) A disk or diskette operation that adds records to an existing file. (2) An operation caused by an add instruction.

address (1) A character or group of characters that identifies a register, a particular part of storage, or some other data source or destination. (A) (2) To refer to a device or an item of data by its address. (I) (A) (3) In word processing, the location, identified by an address code, of a specific section of the recording medium or storage. (T) (4) A name, label, or number identifying a location in storage, a device in a system or network, or any other data source. (5) In data communication, the unique code assigned to each device or workstation connected to a network.

addressability (1) In computer graphics, the number of addressable points on a display surface or in storage. (2) In micrographics, the number of addressable points, within a specified film frame, computed as follows: the number of addressable horizontal points by the number of addressable vertical points; for example, 4000 by 4000. (A) (3) The ability to locate an item in online storage.

addressability measure On a display screen, the number of addressable points within the display space.

addressable horizontal positions (1) In micrographics, the number of positions, within a specified

film frame, at which a vertical line can be placed. (A) (2) In computer graphics, the number of positions on a display surface at which a full-length display column can be placed.

addressable point In computer graphics, any point of a device that can be addressed. (I) (A) Synonymous with addressable position. See Figure 4.

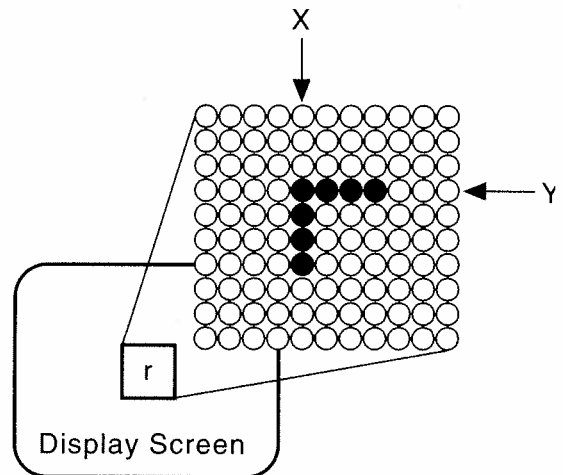


Figure 4. Addressable Point

addressable position Synonym for addressable point.

addressable vertical positions (1) In micrographics, the number of positions, within a specified film frame, at which a horizontal line can be placed. (A) (2) In computer graphics, the number of positions on a display surface at which a full-length display column can be placed. (A)

address administration The assignment of LAN individual addresses locally or on a universal basis. (T)

address aliasing See network address translation.

address base The field of an address control vector that designates the origin of a logical address space in the processor address space. It is concatenated with a logical address during dynamic address relocation.

address book A collection of entries containing information that can be referenced and used to perform OS/2 Office functions. In the OS/2 Office product, there is a Personal address book and a Public address book contained inside each directory.

address book entry An entry of information contained inside a Public or Personal address book for use performing OS/2 Office functions.