

Lecture 7
Jargon
Multimedia

AVI	Audio Video Interleaved. A video file format for PCs.
bitmapped graphic	An image defined with a grid of pixels (instead of with a set of mathematical formulae).
BMP	An uncompressed, bitmapped file format commonly used as wallpapers on PCs running Windows.
CD-DA	Compact Disc-Digital Audio. The audio file format for music CDs.
DivX	A video file format based on MPEG-4 that compresses file information.
EPS	Encapsulated PostScript. A vector-based image file format commonly used for high-resolution, scalable graphics.
file sharing	Allows access to data on a computer over a network.
Flash	A vector-based format for animations that also supports audio and video.
GIF	Graphical Interchange Format. A lossless image file format originally developed by CompuServe. Supports 8-bit color, animation, and transparent backgrounds.
Gnutella network	A peer-to-peer file sharing system.
graphic	An image (as opposed to text).
image	A visual representation or likeness (as a photo).
interframe compression	Technique for compressing video files that eliminates redundant data between successive frames.
intraframe compression	Technique for compressing video that eliminates redundant data within a frame.
JPEG	A lossy-compressed bitmapped image file format developed by the Joint Photographic Experts Group. Supports 24-bit color.

KaZaA	A peer-to-peer file-sharing application.
Limewire	A peer-to-peer file sharing application.
lossless compression	A method of compressing file information without losing any data.
lossy compression	A method of compressing file information that results in some data loss.
MIDI	Musical Instrument Digital Interface. An audio file format.
MP3	MPEG, Audio Layer 3. A compressed audio file format that offers a compression ratio of about 1:12.
MPEG	A compressed video file format developed by the Moving Picture Experts Group. Several variants exist, including MPEG-1 (commonly used for downloadable movie clips), MPEG-2 (the file format used by DVDs), and MPEG-4 (increasingly used for downloadable movies).
multimedia	The combination of more than one presentation format (<i>e.g.</i> , text, images, sound, and video).
Napster	Originally a file-sharing application, it is now a music subscription service.
PICT	An image file format for the Mac platform.
PNG	Portable Network Graphic. A losslessly compressed bitmapped image file format meant to be a patent-free successor to GIF.
QuickTime	A video file format developed by Apple.
RealAudio	A streamable audio file format developed by Real Networks.
RealVideo	A streamable video file format developed by Real Networks.
streaming	Mechanism for playing video or audio files over a network that allows packets to be played as they are downloaded, eliminating the need to download the entire file before playing.
TIFF	Tagged Image File Format. A lossless image file format commonly used for faxes and high-resolution graphics.

- vector graphic** An image file format based on the mathematical expression of geometric elements (lines, arcs, polygons)
- WAV** An audio file format commonly used for Windows sounds.
- WMA** Windows Media Audio. A compressed audio file format developed by Microsoft.
- WMV** Windows Media Video. A compressed video file format developed by Microsoft.