

APPENDIX C TO INVALIDITY REPORT OF RICHARD L. PHILLIPS

Index of Video Exhibits

Video demonstrations can be found in the DVD in directories that are named in accordance with the headings below: "Viola," "HyperCard," "Mosaic," "SunOS," "MediaView," "Standalone applications," and "OLE."

Files related to these video demonstrations can be found in the directory labeled "Related materials," under subdirectories as indicated below.

Filename	Description	Related materials
<u>VIOLA</u>		
3 Sun Sparcstations (model 10), dated 1992, each running SunOS version 4.1.3, dated 1992, and connected using Ethernet networking.		
Viola video 1.wmv	"Setup of Viola DX34, dated May 12, 1993" <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>). (See also [PA-NAT-0000020], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See Related materials\Viola\sgmls.) (See also [PA-NAT-0000024] at 047263-000004\net\marble\usr\users\source\sgmls\)) (also used in subsequent videos). 	Related materials\Viola\sgmls: <ul style="list-style-type: none"> • SGMLS parser
Viola video 2.wmv	"Introduction to Viola DX34, dated May 12, 1993" <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-0000020], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the 	

Filename	Description	Related materials
	archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\).	
Viola video 3.wmv	<p>"Local demonstration of embedded, interactive objects with Viola DX34, dated May 12, 1993"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) • Vplot binary, dated May 7, 1993 (<i>PA-NAT-78\vplot\Tar Secondaries\000007_usr_users</i>) (See also [PA-NAT-00000024] in the folder 047263-000007\usr\users\scott\, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	
Viola video 4.wmv	<p>"Demonstration of Viola DX34, dated May 12, 1993, showing that Viola and Vplot occupy separate processes"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) • Vplot binary, dated May 7, 1993 (<i>PA-NAT-78\vplot\Tar Secondaries\000007_usr_users</i>) (See also [PA-NAT-00000024] in the folder 047263-000007\usr\users\scott\, from which this was copied.) 	

Filename	Description	Related materials
	<ul style="list-style-type: none"> • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	
Viola video 5.wmv	<p>"Demonstration of Viola DX34, dated May 12, 1993, showing that Viola and .v scripts occupy the same process"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) • Vplot binary, dated May 7, 1993 (<i>PA-NAT-78\vplot\Tar Secondaries\000007_usr_users</i>) (See also [PA-NAT-00000024] in the folder 047263-000007\usr\users\scott\, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	
Viola video 6.wmv	<p>"Demonstration of DX34, dated May 12, 1993, retrieving hypermedia documents from a network server"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) • Vplot binary, dated May 7, 1993 (<i>PA-NAT-78\vplot\Tar Secondaries\000007_usr_users</i>) (See also [PA-NAT-00000024] in 	<p>Related materials\Viola\video 6:</p> <ul style="list-style-type: none"> • testPlot.hmml • fstab

Filename	Description	Related materials
	<p>the folder 047263-000007\usr\users\scott\, from which this was copied.)</p> <ul style="list-style-type: none"> • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • NFS file server functionality provided as part of SunOS 4.1.3. 	
Viola video 7.wmv	<p>"Demonstration of DX34, dated May 12, 1993, retrieving hypermedia documents from an HTTP server"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) • Vplot binary, dated May 7, 1993 (<i>PA-NAT-78\vplot\Tar Secondaries\000007_usr_users</i>) (See also [PA-NAT-00000024] in the folder 047263-000007\usr\users\scott\, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See Related materials\Viola\HTTP) (See also [PA-NAT-00000011]) (also used in subsequent videos) 	<p>Related materials\Viola\HTTP:</p> <ul style="list-style-type: none"> • HTTP server <p>Related materials\Viola\video 7:</p> <ul style="list-style-type: none"> • testPlot.hmml • http_mime.c • httpd_noheaders.conf

Filename	Description	Related materials
Viola video 8.wmv	<p>"Demonstration of DX34 (dated May 12, 1993), with an embedded video object using MMPEG"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (<i>See also</i> [PA-NAT-00000020], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (<i>See also</i> [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • NFS file server functionality provided as part of SunOS 4.1.3 (<i>not shown in video.</i>) • MMPEG software, obtained from PA-NAT-00000060 and dated 10/31/1994. 	<p>Related materials\Viola\video 8:</p> <ul style="list-style-type: none"> • plot.v • testPlot.hmml
Viola video 8B.wmv	<p>"Demonstration of DX34 (dated May 12, 1993), with an embedded object using XV"</p> <ul style="list-style-type: none"> • Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (<i>See also</i> [PA-NAT-00000020], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (<i>See also</i> [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • NFS file server functionality provided as part of SunOS 4.1.3 (<i>not shown in video.</i>) 	<p>Related materials\Standalone applications:</p> <ul style="list-style-type: none"> • XV software <p>Related materials\Viola\video 8B:</p> <ul style="list-style-type: none"> • plot.v • testPlot.hmml • xv.c • xv.h

Filename	Description	Related materials
	<ul style="list-style-type: none"> XV software obtained from ftp://ftp.ncsa.uiuc.edu/Mosaic/Unix/viewers/xv-3.00.tar.Z and dated April 28, 1993 (See Related materials\Standalone applications) 	
Viola video 9.wmv	<p>"Demonstration of DX34 (dated May 12, 1993), with an embedded object using VIS"</p> <ul style="list-style-type: none"> Viola DX34, dated May 12, 1993 (<i>PA-NAT-78\viola\1993-05-12 DX34 - Ex A to Inv Contentions\software\viola930512.tar.gz</i>) (See also [PA-NAT-00000020], from which this codebase was copied.) SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive <i>sgmls-1.1.tar.Z</i>, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). NFS file server functionality provided as part of SunOS 4.1.3 (<i>not shown in video.</i>) VIS executable, obtained from PA-NAT-00000060 and dated 10/31/1994. 	<p>Related materials\Viola\video 9:</p> <ul style="list-style-type: none"> plot.v testPlot.hmm1
Viola video 10 - A.wmv	<p>"Setup of DX37, dated May 27, 1993"</p> <ul style="list-style-type: none"> Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive <i>sgmls-1.1.tar.Z</i>, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	

Filename	Description	Related materials
Viola video 10 - B.wmv	<p>"Setup of DX37, dated May 27, 1993"</p> <ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	
Viola video 11.wmv	<p>"Local demonstration of embedded, interactive objects with Viola DX37, dated May 27, 1993"</p> <ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • Vplot, dated August 12, 1993 (<i>PA-NAT-78\vplot\MS_SUPP_1205_001\petra</i>) (See also [PA-NAT-00000022], in the folder 051208_1551 (E)\, the folder <i>petra\vplot</i>, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	
Viola video 12.wmv	"Demonstration of DX37, dated May 27, 1993, retrieving hypermedia documents from a network server"	Related materials\Viola\video 12:

Filename	Description	Related materials
	<ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • Vplot, dated August 12, 1993 (<i>PA-NAT-78\vplot\MS_SUPP_1205_001\petra</i>) (See also [PA-NAT-00000022], in the folder 051208_1551 (E)\, the folder <i>petra\vplot</i>, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive <i>sgmls-1.1.tar.Z</i>, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • NFS file server functionality provided as part of SunOS 4.1.3. 	<ul style="list-style-type: none"> • testPlot.hmml • fstab
Viola video 13.wmv	<p>"Demonstration of DX37, dated May 27, 1993, retrieving hypermedia documents from an HTTP server"</p> <ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • Vplot, dated August 12, 1993 (<i>PA-NAT-78\vplot\MS_SUPP_1205_001\petra</i>) (See also [PA-NAT-00000022], in the folder 051208_1551 (E)\, the folder <i>petra\vplot</i>, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive <i>sgmls-1.1.tar.Z</i>, dated February 22, 1993. (See also [PA- 	<p>Related materials\Viola\video 13:</p> <ul style="list-style-type: none"> • testPlot.hmml • http_mime.c • httpd_noheaders.conf • HMML_vobjf.v

Filename	Description	Related materials
	<p>NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\).</p> <ul style="list-style-type: none"> • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]). 	
Viola video 14.wmv	<p>"Demonstration of DX37 (dated May 27, 1993), with an embedded interactive movie object using MMPEG"</p> <ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • MMPEG software, obtained from PA-NAT-00000060 and dated 10/31/1994. 	<p>Related materials\Viola\video 14:</p> <ul style="list-style-type: none"> • plot.v • testPlot.hmml
Viola video 15.wmv	<p>"Demonstration of DX37 (dated May 27, 1993), with an embedded interactive object using VIS"</p> <ul style="list-style-type: none"> • Viola DX37, dated May 27, 1993 (<i>PA-NAT-78\viola\1993-05-27 DX37 - Ex AE to Inv Contentions\violaTOGO.tar.Z</i>) (See also [PA-NAT-00000021], from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the 	<p>Related materials\Viola\video 15</p> <ul style="list-style-type: none"> • plot.v • testPlot.hmml

Filename	Description	Related materials
	<p>archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\).</p> <ul style="list-style-type: none"> • VIS executable, obtained from PA-NAT-00000060 and dated 10/31/1994. 	
Viola video 16 - A.wmv	<p>"Setup of Viola Alpha, dated October 16, 1993"</p> <ul style="list-style-type: none"> • Viola alpha, dated October 16, 1993 (<i>PA-NAT-78\viola\1993-10-16 Alpha release - Ex AF to Inv Contentions\violaTOGO.tar.z</i>) (See also [PA-NAT-00000024], in the folder 047263-000006\usr2\users\pei, from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	<p>Related materials\Viola\video 16</p> <ul style="list-style-type: none"> • RUN.WWW
Viola video 16B.wmv	<p>"Setup of Viola Alpha, dated October 16, 1993"</p> <ul style="list-style-type: none"> • Viola alpha, dated October 16, 1993 (<i>PA-NAT-78\viola\1993-10-16 Alpha release - Ex AF to Inv Contentions\violaTOGO.tar.z</i>) (See also [PA-NAT-00000024], in the folder 047263-000006\usr2\users\pei, from which this codebase was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). 	<p>Related materials\Viola\video 16</p> <ul style="list-style-type: none"> • RUN.WWW

Filename	Description	Related materials
Viola video 17.wmv	<p>"Demonstration of Viola Alpha, dated October 16, 1993, retrieving hypermedia documents from an HTTP server"</p> <ul style="list-style-type: none"> • Viola alpha, dated October 16, 1993 (<i>PA-NAT-78\viola\1993-10-16 Alpha release - Ex AF to Inv Contentions\violaTOGO.tar.z</i>) (See also [PA-NAT-00000024], in the folder 047263-000006\usr2\users\pei, from which this codebase was copied.) • Vplot, dated August 12, 1993 (<i>PA-NAT-78\vplot\MS_SUPP_1205_001\petra</i>) (See also [PA-NAT-00000022], in the folder 051208_1551 (E)\, the folder petra\vplot, from which this was copied.) • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]). 	<p>Related materials\Viola\video 17</p> <ul style="list-style-type: none"> • testPlot.hmml
Viola video 19.wmv	<p>"Demonstration of Viola Alpha, dated October 16, 1993, with an embedded HDF object using VIS"</p> <ul style="list-style-type: none"> • Viola alpha, dated October 16, 1993 (<i>PA-NAT-78\viola\1993-10-16 Alpha release - Ex AF to Inv Contentions\violaTOGO.tar.z</i>) (See also [PA-NAT-00000024], in the folder 047263-000006\usr2\users\pei, from which this codebase was copied.) 	<p>Related materials\Viola\video 19</p> <ul style="list-style-type: none"> • plot.v • testPlot.hmml

Filename	Description	Related materials
	<ul style="list-style-type: none"> • SGMLS parser, obtained from ftp://ftp.jclark.com/pub/sgmls/ at the archive sgmls-1.1.tar.Z, dated February 22, 1993. (See also [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\source\sgmls\). • VIS executable, obtained from PA-NAT-00000060 and dated 10/31/1994. 	
Viola video 20.wmv	<p>"Setup of Viola February Beta, dated February 23, 1994"</p> <ul style="list-style-type: none"> • Viola February Beta, dated February 23, 1994 (<i>PA-NAT-78\viola\1994-02-23 February beta release - Ex AG to Inv Contentions</i>) (See also [PA-NAT-00000023], in the folder 051209_1055(E), in the archive viola940223.tar.gz, from which this codebase was copied. 	<p>Related materials\Viola\video 20</p> <ul style="list-style-type: none"> • RUN.WWW
Viola video 21.wmv	<p>"Demonstration of Viola February Beta, dated February 23, 1994, retrieving hypermedia documents from an HTTP server"</p> <ul style="list-style-type: none"> • Viola February Beta, dated February 23, 1994 (<i>PA-NAT-78\viola\1994-02-23 February beta release - Ex AG to Inv Contentions</i>) (See also [PA-NAT-00000023], in the folder 051209_1055(E), in the archive viola940223.tar.gz, from which this codebase was copied.) • Vplot, dated August 12, 1993 (<i>PA-NAT-78\vplot\MS_SUPP_1205_001\petra</i>) (See also [PA-NAT-00000022], in the folder 051208_1551 (E)\, the folder petra\vplot, from which this was copied.) • HTTP server, obtained from 	<p>Related materials\Viola\video 21</p> <ul style="list-style-type: none"> • link.html • vobjf.html

Filename	Description	Related materials
	ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]).	
Viola video 24.wmv	<p>"Demonstration of Viola February Beta, dated February 23, 1994, with an embedded HDF object using VIS"</p> <ul style="list-style-type: none"> • Viola February Beta, dated February 23, 1994 (<i>PA-NAT-78\viola\1994-02-23 February beta release - Ex AG to Inv Contentions</i>) (See also [PA-NAT-00000023], in the folder 051209_1055(E), in the archive viola940223.tar.gz, from which this codebase was copied.) • VIS executable, obtained from PA-NAT-00000060 and dated 10/31/1994. 	Related materials\Viola\video 24 <ul style="list-style-type: none"> • plot.v; • testPlot.hmml
<p><u>HYPERCARD</u></p> <p>Two Apple Macintosh Model IISI computers, dated 1990, running System 7.1, dated 1992, connected using Ethertalk networking.</p>		
hypercard_movie_1 - B.wmv	<p>"Introduction to HyperCard and QuickTime"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • From Quicktime Version 1.0 for Developers (PA-NAT-00000074), :Programming Stuff:XCMDs:QTMovie Stack, dated December 8, 1991. 	
hypercard_movie_2.wmv	"HyperCard and QuickTime: Local demonstration of Movie XCMD"	Related materials\HyperCard

Filename	Description	Related materials
	<ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • Movie XCMD, obtained from QuickTime Tools in Claris HyperCard 2.1 (PA-NAT-00000010). 	Movie XCMD
hypercard_movie_3.wmv	<p>"HyperCard and QuickTime: Local demonstration of QT Movie XCMD"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • QTMovie XCMD, obtained from ":Interactive Speech Systems:SE stack" in Apple Chronicle CD, dated March 19, 1992. [PA-NAT-00000068; PA-NAT-00000069] 	Related materials\HyperCard QTMovie XCMD
hypercard_movie_4.wmv	<p>"HyperCard and QuickTime: Local demonstration of QT Movie XCMD – Part 2"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • QTMovie XCMD, obtained from :Unsupported Stuff:XCMDs:QTMovie Stack in "QuickTime: The Official Guide for Macintosh Users," dated April 26, 1994. [PA-NAT-00000077] • Power Tools with Resource Mover, obtained from Claris HyperCard 2.1. [PA-NAT-00000010] 	Related materials\HyperCard QTMovie XCMD
hypercard_movie_5.wmv	<p>"HyperCard and QuickTime: Client-server demonstration of Movie XCMD"</p>	Related materials\HyperCard Movie XCMD

Filename	Description	Related materials
	<ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • Movie XCMD, obtained from QuickTime Tools in Claris HyperCard 2.1. [PA-NAT-00000010] 	
hypercard_movie_6 - A.wmv	<p>"HyperCard and QuickTime: Client-server demonstration of QTMovie XCMD"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • QTMovie XCMD, obtained from ":Interactive Speech Systems:SE stack" in Apple Chronicle CD, dated March 19, 1992. [PA-NAT-00000068; PA-NAT-00000069] 	Related materials\HyperCard QTMovie XCMD
hypercard_movie_6 - B.wmv	<p>"HyperCard and QuickTime: Client-server demonstration of QTMovie XCMD"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • QTMovie XCMD, obtained from ":Interactive Speech Systems:SE stack" in Apple Chronicle CD, dated March 19, 1992. [PA-NAT-00000068; PA-NAT-00000069] 	Related materials\HyperCard QTMovie XCMD
hypercard_movie_7.wmv	<p>"HyperCard and QuickTime: Client-server demonstration of QT Movie XCMD – Part 2"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime 	Related materials\HyperCard QTMovie XCMD

Filename	Description	Related materials
	<p>Version 1.0 for Developers (PA-NAT-00000074).</p> <ul style="list-style-type: none"> • QTMovie XCMD, obtained from :Unsupported Stuff:XCMDs:QTMovie Stack in "QuickTime: The Official Guide for Macintosh Users." [PA-NAT-00000077] • Power Tools with Resource Mover, obtained from Claris HyperCard 2.1 [PA-NAT-00000010]. 	
hypercard_movie_8 (MM Dir).wmv	<p>"HyperCard and MacroMind Director: Client-server demonstration of interactive movies"</p> <ul style="list-style-type: none"> • HyperCard version 2.1, dated 1991, obtained from Quicktime Version 1.0 for Developers (PA-NAT-00000074). • Macromind manual stack documentation shipped with Director 3.1.3. 	
<p><u>MOSAIC</u></p> <p>2 Sun Sparcstations, model 10, dated 1992, each running SunOS version 4.1.3, dated 1992, and connected using Ethernet networking.</p>		
Mosaic video 1.wmv	<p>"Introduction to Mosaic"</p> <ul style="list-style-type: none"> • Mosaic version 2.4, dated April 11, 1994, and equivalent to the Mosaic version located at [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\mcrae\src\www\mosaic\Mosaic-sun, and dated July 12, 1994. <i>See also</i> PA-NAT-00000054 ("Mosaic-Sun 2.4"). 	<p>Related materials\Mosaic</p> <ul style="list-style-type: none"> • Mosaic-sun.tar <p>Related materials\Mosaic\Mosaicvideo1</p> <ul style="list-style-type: none"> • Mosaic_v2_4.html • movie.mpeg

Filename	Description	Related materials
	<ul style="list-style-type: none"> • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]). 	<ul style="list-style-type: none"> • movie_image.gif • Sunflower.gif
Mosaic video 2.wmv	<p>"Introduction to the Preferred Embodiment"</p> <ul style="list-style-type: none"> • Mosaic version 2.4, dated April 11, 1994, and equivalent to the Mosaic version located at [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\mcrae\src\www\mosaic\Mosaic-sun, and dated July 12, 1994. See also PA-NAT-00000054 ("Mosaic-Sun 2.4"). • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]). 	<p>Related materials\Mosaic</p> <ul style="list-style-type: none"> • Mosaic-sun.tar <p>Related materials\Mosaic\Mosaicvideo2</p> <ul style="list-style-type: none"> • preferred_embodiment.html
Mosaic video 3.wmv	<p>"Demonstration of distributed computing with VIS"</p> <ul style="list-style-type: none"> • Mosaic version 2.4, dated April 11, 1994, and equivalent to the Mosaic version located at [PA-NAT-00000024] at 047263-000004\net\marble\usr\users\mcrae\src\www\mosaic\Mosaic-sun, and dated July 12, 1994. See also PA-NAT-00000054 ("Mosaic-Sun 2.4"). • HTTP server, obtained from ftp://ftp.ncsa.uiuc.edu/Web/httpd/Unix/ncsa_httpd/old/httpd_1.1/httpd_source.tar.Z (See also [PA-NAT-00000011]). • VIS executable, obtained from PA-NAT-00000060 and dated 10/31/1994. 	<p>Related materials\Mosaic</p> <ul style="list-style-type: none"> • Mosaic-sun.tar

Filename	Description	Related materials
<u>SUNOS BOOT UP</u>		
Sun Sparcstation, model 10, dated 1992, running SunOS version 4.1.3, dated 1992.		
SunSparc10-SunOS4.1.3-boot-messages.wmv	"Boot-up process of Sun Sparcstation"	
<u>MEDIAVIEW</u>		
One "NeXT cube" computer, dated 1992, with a Motorola 68040 cpu, running NeXTSTEP release 3.2, dated October 1993. All videos use MediaView 3.0, which was compiled from source code files with dates ranging from 1988 to January, 1993. [See PA-NAT-00000071].		
MV_Overview.wmv	"Introduction to MediaView – A General Purpose Document Preparation and Browsing System"	Related materials\MediaView
Embedded Hypermedia_2.wmv	"MediaView and Embedded Hypermedia"	Related materials\MediaView
RM1.wmv	"MediaView and RenderMan – Part I"	Related materials\MediaView
RM3.wmv	"MediaView and RenderMan – Part 2"	Related materials\MediaView
Mathematica_Examples.wmv	"MediaView and Mathematica"	Related materials\MediaView
Various Examples.wmv	"MediaView: More Examples"	Related materials\MediaView
LANL93 DVD	"Media View, Short and Long Versions"	RLP 7
<u>STANDALONE EXECUTABLE APPLICATIONS</u>		
1 Sun Sparcstations (model 10), dated 1992, running SunOS version 4.1.3, dated 1992.		

Filename	Description	Related materials
VIS – A.wmv	"Demonstration of VIS Application" <ul style="list-style-type: none"> • VIS executable obtained from [PA-NAT-00000060] and dated 10/31/1994. 	
VIS – B.wmv	" Demonstration of Distributed Computing With VIS" <ul style="list-style-type: none"> • VIS executable obtained from [PA-NAT-00000060] and dated 10/31/1994. 	
Xplot.wmv	"Demonstration of Xplot Application" <ul style="list-style-type: none"> • Xplot software obtained from 1 - TAR Secondaries\047263-000006\usr\work\xplot\xplot and dated May 6, 1993 	
XV.wmv	"Demonstration of XV Application" <ul style="list-style-type: none"> • XV, obtained from ftp://ftp.ncsa.uiuc.edu/Mosaic/Unix/viewers/xv-3.00.tar.Z and dated April 28, 1993 (See Related materials\Standalone applications.) 	Related materials\Standalone applications: <ul style="list-style-type: none"> • XV software
<u>OLE</u>		
OLE.wmv	"Demonstration of OLE Using Microsoft Word and Microsoft Excel" <ul style="list-style-type: none"> • Microsoft Word Version 6.0a © 1983-1994 Microsoft Corporation • Microsoft Excel Ver. 5.0a © 1985-1993 Microsoft Corporation 	