

CAD Models			
1	Additive Manufacturing Format	amf	3D Printing industry consortium format alternative to STL
2	AutoCAD Export DWF Format	dwf	AutoCAD Inventor, AutoCAD Mechanical, Visual Representations
3	AutoCAD Generic DXF Format	dxf	AutoCAD historic versions, Survey, Geophysics, Modelling
4	AutoCAD Native DWG Format	dwg	AutoCAD Mechanical, Civil, Inventor, Parts, Colours, Widely Used
5	Bentley-Intergraph Microstation DGN Format	dgn	Microstation related applications
6	IGES 3D Model Interchange	igs, iges	Industry Interoperability Model Exchange, CAD Applications
7	Industry Foundation Classes IFC	ifc	BIM, AEC, Subset support, AutoCAD, Revit, Inventor, Civil 3D
8	Movie.BYU Geometry Format	byu	Historic FEA Mesh Geometry Interchange
9	Polygon File Format Stanford	ply	Surface, Line & Point Open Academic and Research Exchange
10	PRC Product Representation Compact Format	prc	ISO 14739-1 3D Model used in 3D PDF context as interactive view
11	STEP AP214 3D Model Interchange	stp,step	Industry Interoperability Model Exchange, PLM, CAD Applications
12	Stereolithography ASCII Multi-part File Format	stla	CAD-CAM, 3D Printing, Triangle Mesh Surfaces, Geometry Only
13	Stereolithography Binary File Format	stlb	CAD-CAM, 3D Printing, Single Triangle Mesh, Geometry Only
14	Stereolithography STL File Format w/Color	stl	3D Printing, Triangle Geometry, Scanners, CAD, Materialise Magics
15	U3D Universal 3D Interchange Format	u3d	ECMA 363 used in 3D PDF context as interactive view

Analysis Data			
16	AVS/Express UCD Format	inp	Advanced Visual Systems Proprietary, Unstructured Mesh & Attributes
17	COMSOL Simulation Results Format	dat,txt,mphxt	COMSOL Proprietary Mesh & Result Plot Output Format
18	Protein Data Bank Molecular Format	pdb	Chemistry, Research, Academic, well established database
19	VTK PolyData Format	vtp	Visualization Toolkit polygon surface data, science, engineering
20	VTK Model File Format	vtk	Visualization Toolkit mesh, element, multi-attribute 2D & 3D data

Images & Video			
21	Flash Animations or Movie clips	swf	Video, Movie, Animation, Creative Suite, Macromedia, Adobe
22	Raster Image Files	png,jpg,tif,bmp	Universal standard image file formats, monochrome, color, alpha

Geospatial			
23	ArcGIS Geospatial Grid Format	asc	ArcGIS Proprietary ASCII Grid Raster Elevation Data
24	ESRI ArcGIS Geospatial Vector Shapes	shp	ArcGIS Proprietary ShapeFile for Vector Features, 2D or 3D
25	GeoTIFF Geospatial Image and Grid Data Format	tif, tiff	Well-known TIFF image with additional Geographic coordinates included
26	GeoVRML Geospatial Format	wrl, vrml	VRML97 extended to include geographic coordinate systems, ArcScene
27	IMAGINE Multi-Channel Image or Elevation Grids	img	Hexagon Geospatial raster format for image and attribute data
28	KML Geospatial Vector Features	kml	XML based mark-up for geospatial features, ArcGIS, Google Earth
29	LAS Well Log (Subset)	las	Oil industry well log, complex borehole data, simple subset
30	LiDAR LAS File Format v1,2,3	las	Point Cloud Industry Interchange Format, Space, Airborne & Terrestrial
31	LiDAR LAZ Compressed Format	laz	Very good compressed optimization option for LAS data
32	Point Cloud Formats	csv,pts,xyz	3D points, ASCII, from LiDAR, Laser, point sample systems
33	Point Cloud with Color or attribute	xyzrgb, stzi	3D points, ASCII with intensity or full RGB Color per point
34	ReCAP RCS point cloud format	rsc	3D points, Binary with optional full RGB Color per point
35	e57 Point Cloud format	e57	3D points, Binary optional full RGB Color per point
36	PROJ Geographic Projection Format	proj	Geographic coordinate mapping data to place corresponding models
37	Surfer Grid Format	grd	Surfer from Golden Software Proprietary raster elevation grid data
38	Surfer Colormap Format	clr	Surfer from Golden Software Proprietary color classification files
39	USGS DEM Geospatial Grid File Format	dem	Elevation grid data for terrains, bathymetry, raster data
40	World Geographic Coordinate File	jpw,pgw,tfw	Geographic coordinate mapping data to place corresponding images
41	ZMapPlus Geospatial Grid Field Format	dat	Earth Science Subsurface Horizon Data, ZYCOR, Historic Data Exchange

3D Graphics			
42	3D GameStudio 3DGS Format	mdl	Gamestudio Development & Authoring Application for Games
43	3D GameStudio 3DGS Terrain Format	hmp	Gamestudio Development Application Terrain Landscape Data
44	3D Studio MAX Format	3ds	Widely used 3D graphics exchange, 3D Studio Max, AutoCAD, Textures
45	3ds Max ASE Format	ase	AutoDesk 3DS Max Proprietary 3D Model Format (subset)
46	AC3D Inivis Format	ac	AC3D Proprietary Model Creation and Editing 3D Format
47	ANSYS Workbench Viewer File	avz	CAE Visualization results format used by ANSYS Viewer application
48	Blender 3D Format	blend	Blender CAD Application Design Native 3D Model Format
49	BlitzBasic 3D Format	b3b	Interactive Game & Scene Environment System
50	Collada COLLaborative Design Activity Format	dae	Industry interchange rich 3D graphics, 3DS Max, Maya, Sketchup, Textures
51	Design Workshop Database	dw	AEC DesignWorkshop 3D modeling program for architectural design
52	DirectX 3D Model Format	x	Microsoft DirectX Graphics 3D Model Geometry
53	DirectX X Format	x	Microsoft DirectX Graphics Generic Data
54	Doom 3 Format	md5	Interactive Game Proprietary Scenes
55	FBX Graphics Format	fbx	AutoDesk binary 3D Graphics Format with optional embedded textures
56	Irricht Mesh Format	irrmesh	Static Game Mesh similar to Collada
57	Irricht Scene Format	irr	Interactive Game Scene Export format
58	IVE OpenSceneGraph File Format	ive	OpenSceneGraph Framework Scene Format, version specific
59	Nendo Format	ndo	Proprietary 3D modeling and 3D painting package from IZWare
60	LightWave Object Format	lwo	LightWave Proprietary 3D Models with Materials, Texture
61	LightWave Scene Format	lws	LightWave Proprietary Scenes
62	Milkshape 3D Format	ms3d	Shareware low-polygon 3D modeling Application by Mete Ciragan
63	Modo Format	lxo	Proprietary Luxology Game System Scene File
64	Neutral File Format	nnf	RayTrace Program 3D Polygon Format
65	OSG Extendable ASCII Format	osgt	OpenSceneGraph Framework Scene Format, open serialization
66	OSG Extendable Binary Format	osgb	OpenSceneGraph Framework Scene Format, open serialization
67	OSG Extendable XML Format	osgx	OpenSceneGraph Framework Scene Format, open serialization
68	OSG Native Format	osg	OpenSceneGraph Framework Scene Format, with Textures
69	OSGTGZ Compressed Format	osgtgz	OpenSceneGraph Framework Scene Format, open serialization
70	Object File Format	off	Simple Surface Polygon Unstructured 3D ASCII format
71	Ogre Graphics Engine XML Format	xml	Open Source Game Rendering Engine 3D Model Format
72	OpenFlight Format	flt	Real-time Visual Simulation Scenes with Texture
73	OpenInventor 2.1 Compressed Format	iv.gz	Industry neutral interchange 3D graphics, similar to VRML, Textures
74	OpenInventor 2.1 Format	iv	Industry neutral interchange 3D graphics, similar to VRML, Textures
75	PDF Portable Document Format Template or 3D	pdf	ISO-32000 PDF Standard, with 3D Annotations, U3D or PRC
76	PovRAY Raw Format	raw	Triangular facet 3D geometry POV Ray Tracer
77	Quake I Format	mdl	Interactive Game Proprietary Scenes, Historic
78	Quake II Format	md2	Interactive Game Proprietary Scenes, Historic
79	Quake III Map/BSP	pk3	Interactive Game Proprietary Scenes – maps, textures
80	Quake III Mesh Format	md3	Interactive Game Proprietary Scenes, geometry, meshes
81	Quick3D Format	q3s	Proprietary Quick3D File Converter Application Native Format
82	Return to Castle Wolfenstein Format	mdc	Interactive Game Proprietary 3D Format
83	Sense8 WorldToolKit Format	nff	Historic ASCII 3D Format from 1990s
84	Starcraft II M3 Format	m3	Proprietary Game Application 3D Actor Models
85	Terragen Terrain Format	ter	3D Landscape Terrain Tile Format from Planetside Software
86	TrueSpace Format	cob,scn	Proprietary 3D Graphics Application from Calgary
87	Unreal Game Format	3d	Proprietary Game Engine 3D Model Format
88	VRML Compressed Format	wr,vrml.gz	Very Widely used 3D graphics exchange VRML97 Standard, v1.0 or 2.0
89	VRML Uncompressed Format	wr,vrml	Very Widely used 3D graphics exchange, ArcScene, Pro/E, Textures
90	Valve Model Format	smd,vta	StudioMDL Proprietary Game Development ASCII 3D Model Format
91	VOXLER 2-4, Scene format	iv	Voxler Application from Golden Software 3D Scene Export (SGI version)
92	Wavefront Object Format	obj	Widely used 3D graphics exchange, 3DS Max, AutoCAD, Maya, Textures
93	XGL, ZGL Graphics Format	xgl,zgl	Aveva Plant 3D Scene Export, Inventor, Graphics dump
94	X3D Graphics Format	x3d	eXtensible 3D Graphics Format (XML variant of VRML97)