

Release Notes

Animator3 Version 0.6.8a

October 30, 2007

Bug fixes, Animator3 0.6.8a, released October 24 2007

- Bug #2007091910000024: a3 does not terminate when running session files from the Session File Gizmo
- fixed bug "col udg " for cross section
- fixed bug "col spc red @wr" command
- fixed bug with sigsender on windows
- fixed a bug in "fun fba col ..."
- fixed bug in Nastran Interface with SPC1
- text moving/editing/picking fixes
- fixed hanging on exit when pln is used
- corrected "fun map ..."
- Bug #2007091010000031: Nastran interface, formula to compute equivalent strain was wrong (not equivalent as v. Mises)
- fixed Medina interface for windows
- "vie fo1/2/3 xyz ..." now works correctly for multiple slots
- support for Pamcrash 2007 DSY

New features in Animator3 0.6.8a, released October 24 2007

- added command "col pid slo", "sty pid slo", "sty pid slo", "exp pid slo" to copy from another slot
- added command "crs cop slo" to copy cross section properties from another slot
- added command "hid act/uhi all" to hide elements permanently
- added command "opt twi" to set width of trajectories
- added command "opt lwi" now acts on undeformed geometry too
- added commands "gro add/era" to add/erase pids to existing groups
- added PLOTEL element type (currently Nastran); ide bar .. echoes Plotel ...
- added groups SPRING/DAMPER/PLOTEL in Nastran
- added commands "ide nod/ele fmt ..." command to set format of function values
- added command "wri ses fil" command to output session file for reading data
- added commands "gro add/era" to add/erase pids to existing groups

- added commands "wri his <name> crd/dbp/dse/dsp/dve/vel" to write TH on a file
- display of title for multiple slots changed for better reading
- line in graphics window for distances between 2 slots
- added command for free node plotting "opt fno on/off"
- added command "col fno ..." to set color of free nodes
- added "ide nod/ele @wr/@wp/etc" commands
- remember file and folder per slot in input file box
- back button for windows in inputfilebox
- added Abaqus interface in AIX release (64bit)
- disable user interaction on windows in case of license problems (for batch mode)
- save more color types to database
- save follower nodes to database
- added command "wri dat cur" to write current state to database
- added "wri dat/daa all/act file.a3d geo/dis/fun/all"
- added "rea dat file geo/dis/fun" command
- added Database interface for reading a3 database
- added pure batch version which does not require any X server nor graphics hardware (linux)
- Nastran interface, Principal stresses are computed in case of grid point stress
- Abaqus ODB: Add interface for ODBs from Abaqus 6.7-3 (compatible with all Abaqus 6.7-releases).
- Abaqus ODB: Add support for Abaqus ODB-interface (Abaqus 6.7-3) for HP and AIX systems.
- Abaqus ODB: Support for multiple parts (fully supported when imported from ODB, partly supported from inputdeck)
- Abaqus ODB: Support for Rigid bodies from ODB (Rigid bodies in the ODB are only available since Abaqus version 6.7).

Bug fixes, Animator3 0.6.7b3, released July 27 2007

- reading data base on windows 64 bit fixed
- "wri inf " when slot is turned off - fixed
- follow nodes are not stored in data base when active is selected

New features in Animator3 0.6.7b3, released July 27 2007

- added "wr1 ele/nod ..." to write multiple items to one file
- added function name mapping to the pamcrash interface
- added reading of velocities/accelerations as displacements (i.e. for Nastran Sol 129)

Bug fixes, Animator3 0.6.7b2, released July 10 2007

- Euler + cross section + following + hexa elements did not work correctly
- Nastran RBE3 fixes
- Dyna3d / Patran interface fixes for windows
- stereo mode fixed; cursor in divided stereo fixed
- corrected "fun sca" for vector results
- corrected data bases with scaled displacements
- fixed bug with data base including MPCs
- fixed with point style after reading a data base in some cases

- fixed output of element function in case of logarithmic scale
- function swing type not saved as default
- couple disp. + func. switch did not work selecting displacement

New features in Animator3 0.6.7b2, released July 10 2007

- scale factors stored in data base
- Nel elements stored in data base
- set frame rate for AVI/AGIF recordings: "opt rsp ..."
- 64 bit version released on AIX 5.x
- added command "dis sca aut" to scale max. displacement to 5% of model diameter
- added command "fun map .." to map function results

Bug fixes, Animator3 0.6.7b1, released June 1 2007

- "ide vel .." / "ide dve .." wrong
- "wri ids ele .." does not work
- skipping slots does not result in running the command on a wrong slot
- writing slot to session file twice (i.e. 1:1:era ele 1) corrected
- hanging while rotating the model in selection mode corrected
- femzip version 416 for dyna interface (more than 999 states, old femzipped data)

New features in Animator3 0.6.7b1, released June 1 2007

- "Show progress" button reading database

Bug fixes, Animator3 0.6.7b, released May 10 2007

- label is not shown on velocity vector
- crash with "couple slots" in cross section gizmo
- crash reading results on a slot with no geometry
- color button in part gizmo did not work on windows
- user texts are not drawn when one text is selected
- user texts could crash cause when defined in multiple slot
- Madymo interface did not run on linux (since 0.6.7a1)
- Pamcrash interface "Internal energy - Computed by Animator3" removed because it is directly available in pamcrash 06
- command "imp usr cre 123 Label" did not display the text

New features in Animator3 0.6.7b, released May 10 2007

- Pamcrash interface fringe energy per part

Bug fixes, Animator3 0.6.7a1, released in April 2007

- "ide dsp .." and following did not work correctly
- bug for windows version iconizing-deiconizing fixed
- vector plotting in cross section mode fixed
- vector reading in windows version fixed

- windows batch mode now functioning
- Trigger point does not follow curve for multiple slots
- dis/fun del crash
- greater tolerance reading Nastran RBE2/3 from input
- support for Ansys files > 8GB
- command "era slo swa" did not work as expected
- Powerpoint does not run animated gifs from Animator3
- indeed interface did not always work on windows
- functions could not be read from Nastran (since 0.6.7a)
- gzipped files > 2GB could not be read on windows (since 0.6.7a)
- Abaqus: Correct orientation of coordinate systems for Abaqus inp files

New features in Animator3 0.6.7a1, released in April 2007

- user defined popup menu
- part gizmo redone and merged with group gizmo
- new command "ide sel"
- new command "opt geo tra dx dy dz" to translate model
- LS-Dyna version 971 support for mass scaling and Tet10 elements reading d3plot
- Nastran support for spotwelds with option ELEPAT
- Ansys support for version 10
- support for creation of RLE8 encoded AVIs compatible with Windows Powerpoint
- support for RBE elements reading Pamcrash 2006 DSY
- background color included in database
- function bar included in database
- view included in database
- bar type CONN included in database
- multiple slots in a database
- font rendering performance improved
- solid rendering performance improved
- overall performance on windows improved
- Animator3 database viewer and powerpoint plugin
- Animator3 VR version for high performance visualization on cluster
- GOM interface
- support for automatic view fitting of models in different coordinate systems
- "ide dbp" to get the minimum distance between 2 Pids
- distance measurement in cross section mode "ide crd"
- non blocking plugin "rea pln ..."
- non blocking system command "opt syn ..."
- up to 6 independent cross section planes "crs, cr1 ... cr5"
- accelerated rendering speed in cross section mode
- automatically pop graphics to foreground before writing images "opt imp on/off"
- new commands for layers "lay add/era", "lay new", "lay top"
- performance improved for the display of layer tree
- added button to read displ + fun with 1 click
- added deselection of labels by selecting them twice
- added new command "opt geo mat" for automatic matching of 2 slots
- added "~" as a symbol for the home dir when reading/writing files
- release license free A3 database viewer for Linux and Windows

- release license free A3 database plugin viewer for Windows Powerpoint 2000/2003
- added command "imp usr sty 2d/3d"
- added command "vie bes" to define view by 3 nodes or a quad element
- added command "ide nod fol" to view follow nodes
- added "add/era ele/pid bop" to add/erase items by a box defined by a length and a mid point
- support impact points for free nodes
- high quality smmoth shading for solids
- added commands "dis/fun syn" to synchronize 2 slots
- added commands "dis/fun map" to map displacements/functions from one slot to another with different meshes
- added commands "ide crs" to measure on the cross section line
- new command "opt geo tra .." to translate entire model
- commands reordered "opt gro / opt gsf" to "opt geo rot/sca"
- added command "add pid @si"
- added revision number to Animator3 and input interfaces
- accelerated Abaqus odb interface
- Support for TRANSFORM keyword when reading Abaqus inp files.
- SYSTEM keyword is used for nodal transformations when reading Abaqus inp files.
- Abaqus odb: Time consuming generation of groups can be disabled via environnement variable.
- enhanced LS-Dyna input file reader
- support for Ansys 10/11
- support for Nastran grid point stress
- support for string parameter inputting a function
- support for LS Dyna static analyses
- support for Nastran CSEAM

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