Stereographics Graphics New Dimensions Viction

pc graphics struggle to incorporate 3-d - *graphics-chip and -board makers are grappling with the next trend in pc graphics: widespread adoption of 3-d acceleration. understanding the trade-offs involved in 3-d acceleration will keep early adopters from getting thrown. like martial-arts dojos preparing for a meet, graphics chip and board makers are grooming their ...* **methodologies and acceleration tech niques for increased ...** - *methodologies and acceleration tech niques for increased realism in three-dimensional imaging applications d. maroulis, d. chaikalis, n. sgouros, n. theofanous ... has crowned this method as the dominant in the graphics market. nonetheless, aiming to ... calculated by spawning a new ray from the point of intersection toward the light source. if* **dynamic statistic al graphics in the ca ve virtual** - *to explore new statistical graphics applications based on single, m ultiple, or sequences of 3{dimensional pro jections. w e also plan to explore na vigation to ols for steering through high{dimensional space. 1 in tro duction this pap er con tains w ork related to dynamic statistical graphics (dsg) and the ca ve virtual realit yen vironmen t.* **wearable 3d graphics for augmented reality: a case study ...** - *system to take advantage of new 3d graphics cards (e.g., elsa gladiac) as well as new cpus. we believe that the development of 3d applications for experimental wearable computers could act as a catalyst for the introduction of commercial wearable computers with integrated high-performance 3d graphics rocessors, p* **6 teaching stereochemistry with computer graphics - divched** - *6 teaching stereochemistry with computer graphics by richard e. partch • teaching molecular stereochemistry at clarkson has taken a quantum leap forward as a result of the university's commitment to computer-based education. commencing in the fall of 1983, all entering freshmen received a zenith computer.* **evaluating graphics displays for complex 3d models** - *because so many new graphics devices are coming to market without a clear understanding of their best appli-cations, this article focuses on viewing complex 3d geometry on three devices with large screens. the geometry models the interior and exterior of a complex physical product: a commercial airplane. we conducted* **evaluation of the cornerstone p1700 4 x 3 aspect ratio, 21 ...** - *with the stereographics zscreen is 10.6:1. the color picture tube has a five year warranty. the price for the cornerstone p1700 monitor is $1363. evaluation of the cornerstone p1700 4 x 3 aspect ratio, 21-inch diagonal color monitor national information display laboratory p. o. box 8619 princeton, nj 08543-8619 tel: (609) 951-0150 fax: (609 ...* **quantifying the relative roles of shadows, stereopsis, and ...** - *speed and features on modern graphics accelerator cards (e.g., [8]). bailey m, tm rebotier & d kirsh. quantifying the relative roles of shadows, stereopsis, and focal accommodation in 3d visualization. the 3rd iasted international conference on visualization, imaging, and image processing. 2003.* **dynamic statistical graphics in the c2 virtual realit** - *t also b e helpful for a new user to join a guide, i. e., an exp ert na vigator, in the c2 and get in-tro duced to the particular problem b efore exploring the virtual en vironmen t him/herself. 3 dynamic statistical graphics dynamic statistical graphics enables data analysts in all elds to carry out visual in v estigations leading to insigh ts in* **visualizing three-dimensional graph drawings sebastian hanlon** - *visualizing three-dimensional graph drawings sebastian hanlon bachelor of science, university of lethbridge, 2004 a thesis submitted to the school of graduate studies of the university of lethbridge in partial fulfillment of the requirements for the degree master of science department of mathematics and computer science university of lethbridge* **steve 3d stereo - terranor** - *• create new vector layers in any supported format • view 3d vectors in stereo, superimposed on image stereopair • editing functions include: o create or delete points, lines, polygons o select and edit a point or vertex o insert and delete vertices for polygons and lines o snap to nearest vertex, or snap to* **the pit: a head-tracked stereo 3d graphics workspace ...** - *the pit: a head-tracked stereo 3d graphics workspace designed for two-user collaboration highlights • two-person collaborative work environment for the study of three-dimensional data. • independently-controlled head-tracked stereo views for each user. • multiple, varied input devices for interacting naturally with the data set under study.* **stereoscopic visualization across two parallel walls** - *computación y sistemas vol. 13 no. 2, 2009, pp 1871-94 issn 1405-5546 stereoscopic visualization across two parallel walls . visualización estereoscópica a través de dos paredes paralelas* **viewing a graph in a virtual reality display is three ...** - *university of new hampshire university of new hampshire scholars' repository center for coastal and ocean mapping center for coastal and ocean mapping 10-1994 viewing a graph in a virtual reality display is three times as good as a 2d diagram colin ware university of new hampshire, durham, colin.ware@unh glenn franck university of new brunswick* **quantitative comparison of interaction with shutter ...** - *different types of stereo computer displays. we compare traditional shutter glasses-based viewing with three-dimensional (3d) autostereoscopic viewing on displays such as the sharp ll-151-3d display and stereographics sg 202 display. the method of interaction is a sphere-shaped "cyberprop" containing an* **avoid the competitive gridlock avoid the competitiv** - *take graphical visualization to new heights with the new monitor zscreen® 2000 series. designed for engineers,scientists, cartographers and medical professionals for viewing complex 3d computer graphics models,monitor zscreen 2000and 2000i use stereo3d™ technology to provide the most realistic representation possible.* **virtual reality with stereoscopic vision and augmented ...** - *virtual reality with stereoscopic vision and augmented reality to steel bridge design and erection nobuyoshi yabuki1, hiroki machinaka2, and li zhantao3 abstract this paper presents how virtual ...* **advanced human-computer**

dependent surveillance (ads ... - *the graphics engine is a low-cost silicon graphics (sgi) indy. the user views the monitor and sees stereo images through a pair of crystal eyes stereo glasses, made by stereographics. the user controls the demo through a mouse-based interface. 3-d sound is generated by two alphatron sound boards, made by crystal river engineering. these boards ...* **'active' and 'passive' learning of three-dimensional ...** - *three dimensions for 20sec. any translation movements made by the participant were not incorporated into the visual display, whose axes of rotation remained fixed. the temporal lag between movement ini-tiation by the participant and rendering of the new position of the ob-ject was never greater than 25 msec. this short lag gave the impres-* **user manual passive to active converter - christie** - *see stereographics for a list of stereo-capable graphics cards display device to get the most out of your pa-converter, your display device should support the maxi-mum resolution of your pa-converter. viewing glasses you will need a pair of active shutter glasses and an emitter. there are other possibilities* **the vtg 150 & 200 video test generators and rgb 202 vtg ...** - *a vtg 200 user encounters new scan rate pcs, workstations and new formats, the vtg 200 can be programmed to add these new rates in the field. no need to send in the vtg 200 for any software updates. auto-switchable power - the vtg 200 has an internal 90-270 volt auto-switchable power supply. f eatures—vtg 200 (only)* **z.y. alpaslan and a.a. sawchuk, three-dimensional ...** - *we describe new techniques for interactive input and manipulation of three-dimensional data using a motion tracking ... (such as the sg 202 autostereoscopic display from stereographics), user head ...* **a 'room' with a 'view' - evl** - *a 'room' with a 'view' to match virtual reality to red tusksj yeseurchhs built a greek philosopher explored the ideas of perception, reality, and illusion, using the analogy of a person facing the back of a smoothly functioning walk- in system mostlyfrom oflthe-shelf components he media's confidence that virtual reality has* **structural origins of fibrin clot rheology - cell** - *viewed in stereo with a crystal eyes stereographics optical stereo viewer (stereographics corporation, san rafael, ca) on a silicon graphics indigo 2 workstation (silicon graphics, inc., mountain view, ca). using a series of seven stereo micrograph pairs, the analysis software allowed the ... three dimensions.* **fbar - oregon state university** - *dimensions (x,y,time) are then treated as a 3d volume. ... as is seen, this method is able to produce new insights into planar mechanism motion, particularly when more than one mechanism is working cooperatively. keywords: visualization, mechanism design, cad, computer graphics introduction two dimensional, or planar, mechanism design is a ...* **target acquisition in fish tank vr ... - graphics interface** - *of a high performance graphics workstation [1,2]. evidence to date suggests that the feeling of three dimensionality is much enhanced by head coupling, and that tree structures and networks of information can be better understood using this kind of display, which has been called fish tank vr [12,13].* **3-d human modelling. gaelle rougier m.eng.** - *(ik) as used in the three-dimension (3-d) graphics simulation of humans. before addressing the problem of human modelling, it is essential to understand how the human brain interprets the world to generate that feeling of three-dimensionality, as well as to learn how toimplement this in a computer environment. stereographics equipment* **3d stereo interactive medical** - *3d stereo interactive medical visualization ... dimensions), and the field of view, plus near and far clipping planes. then we can derive the settings of the ... includes a stereographics zscreen 2000i polarized screen with passive glasses, a viewsonic p95f 19-inch crt monitor, and an nvidia quadro 4 graphics card.* **integrating computer-generated stereoscopic models into an ...** - *integrating computer-generated stereoscopic models into an introductory design course shana smith iowa state university abstract stereoscopic technology has been successfully used in several learning and education environments. however, uses for and the effectiveness of computer-generated stereo models in design and graphics edu-* **stereoscopic v isualization across two p arallel walls** - *some new characteristics in it. ... demonstrated that the building of stereoscopes using digital devices has generated good results, such as: obtaining stereographics using a two -monitor system and a set of mirrors , this ... [bourke, 2005] , this stereoscope allows seeing 3d graphic. visualizing graphs in three dimensions and stereo and . 188 ...* **"active" and "passive" learning of three- dimensional ...** - *a silicon graphics onyx2 with five pipes and 16 processors (4–6 used during application). one pipe drove the front wall and floor; another pipe drove the left and right walls. goggles. the goggles were stereographics crystaleyes liquid crystal goggles (see figure 2). projection systemeimages werepresented invirtual 3-d via* **adventures in interactive direct volume rendering** - *adventures in interactive direct volume rendering mike bailey san diego supercomputer center university of california san diego 9500 gilman drive la jolla, ca 92093-0505 858-534-5142 mjb@sdsc abstract a volume is data in the form of a 3d grid of points. many scientific and engineering sampling and simulation results come that way including* **marsmap: an interactive virtual reality model of the ...** - *marsmap: an interactive virtual reality model of the pathfinder landing site c. stoker, t. blackmon, j. hagen, b. kanefsky, d. rasmussen, k. schwehr, m. sims, e. zbinden, nasa ames research center, mo ffett field, ca 94305-1000. the pathfinder mission made use of a unique capability to rapidly generate and interactively display three-dimensional* **nasa/asee summer faculty fellowship program marshall space ...** - *navigation in three dimensions (six degrees of freedom: x, y, and z translation and roll, pitch, and yaw orientation). at the request of one of the nasa personnel in the laboratory, an alternate version was developed that constrains the user to two-dimensional (three degree of freedom) movements in the x-y plane.* **proceedings of the human factors and ergonomics society ...** - *new version of the "sacred six." but perhaps, even more important is the fact*

that we observed some basic human factors design criteria ignored. we as a profession need to make the designers of non- military aircraft aware of the knowledge available to them from military support labs and the military airframers. acknowledgements **ieee transactions on information technology in biomedicine ...** *- crystaleyes 2 eyewear (stereographics corporation, san rafael, ca) is a device used to visualize stereoscopic images in cyberspace. the operating system was a microsoft windows nt work-station 4.0 with service package 4, and all the programs were developed by microsoft visual c 6.0 (microsoft corpora-tion, redmond, wa).* **s3.m1.p1 marchingcubeeld - electron density visual- s3.m1 ...** *- molecule in the crystal structure is identical. a new algorithm has been developed which does not compare the cell dimensions, but rather the coordination sphere of molecules around a central molecule in the crystal structure. the method is based on original ideas of gavezzotti [3].* **perceiving surfaces in depth beyond the fusion limit of ...** *- the dimensions of the small annulus were inner radius of 1.5 deg, outer radius of 3 deg, and dot size of 4 min of arc64minof ... displays were generated from custom-made programs by using openglÕ graphics libraries on a silicon graphics indigo2 workstation, and were viewed on a 21 inch ... new random dots were plotted after each = ...* **101st annual; meeting, july 7-12, 2000, san diego, ca** *- methods: by installing an inexpensive graphics board in a standard personal computer, adding a pair of low-cost stereo glasses (crystaleyes wired), and using free software that can be obtained on the internet, we have constructed - for less than $500 - the functional equivalent of a $10,000 stereographics workstation.* **an overview of systems enabling computer supported ...** *- combination space we refer to as computer supported collaborative learning requiring immersive presence (csclip). educational uses of csclip technology and their features are identified. we then provide a discussion and comparison of the features common to csclip systems. within this discussion, we develop the criteria necessary for comparison* **intersense is-900 precision motion tracker** *- to the stereographics crystaleyes 3d shutter glasses. is-900 configurations the is-900 line is available in a variety of standard configurations to meet the demands of any immersive graphics application. is-900 vet virtual environment tracker full 3d volume tracking for immersive display systems such as caves, cubes, reactors and other cubic ...* **chapter 1 introduction - catarina.udlap** *- use of the silicon graphics' graphics library and the off-axis perspective projection techniques are described. figure 1.1 shows a cave diagram of this project. although this work uses a multi-screen system the mathematical solution is limited to display images correctly only when the screens are put to 90 degrees between them.* **the development of a multi-sensory mental rotation test ...** *- the main purpose of this master's thesis is to develop a generic, multi-sensory mental rotation test platform in a virtual environment. in this test platform, the three-dimensional, geometric figures will be presented to the test subjects in stereoscopic mode and with haptic feedback. this means that the test subject will* **a semi-immersive synthetic environment for cooperative air ...** *- way. in this paper a new interface for real 3d atc data visualization and interaction is presented; it exploits a virtual reality immersive technique to give the operator an intuitive tool for managing air traffic approaching airports in crowded areas. atc-vr is a smart computer-human interface developed to allow the operator to keep all* **referˆencias bibliogr´aficas - puc-rio** *- um modelo para visualiza¸c˜ao estereoscopica 125 [54] singhal, s.; zyda, m.. networked virtual environments. addison wesley, 1999. 2, 2.1.4 [55] technologies, b..* **immersadesk® r2 - crt for rowan university** *- transport mode dimensions 77" w x 34" d x 63" h (196cm x 86cm x 160cm) ... stereoscopic glasses five pairs of stereographics crystaleyes active shuttered with emitters and cabling peripherals 6 dof workwand – ... a graphics processor is required for the system to be operational. recommended*

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