Subject: ultimate line array
Posted by mr hayes on Fri, 07 Jul 2006 02:21:17 GMT
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Gryphon PoseidonFour-way twin-tower loudspeaker Constant Phase crossover for perfect phase at all frequencies at all times System response 6 – 40,000 Hz, + 3 dB (depending on Q setting and room size) Separate active crossover network for each channel isolated in bass tower Remote control for Q setting, Bass Level and Low Cut Time-aligned front baffle curvature for identical arrival time from all drivers at the listening position 34 customized, extensively modified Danish drive units Special cone surround termination to eliminate edge reflections Symmetrical vertical driver array for ideal point source presentation Eight 8” bass drivers for extreme speed and precision with massive air displacement Custom designed Gryphon bass tower amplifiers capable of delivering 1000 Watts continuously (4 ohms) Integrated Linkwitz-Greiner Q Controller with preset and custom Q settings for ideal low frequency integration in any room Hand-adjusted passive mid/high crossover network pre-biased from the bass module Triple-magnet bass/midrange driver motor system for maximum force and precise focus Scan Speak Revelator ring radiator high frequency driver in specially developed 1 kg. Gryphon aluminum housing Four sealed enclosures with extensive internal bracing Combination of pure wool and synthetic interior damping materials Stylish string grille for driver protection Virtually unlimited custom finish options Designed and built in Denmark
http://www.gryphon-audio.dk/content/product.asp?ProductID=27

Subject: Re: ultimate line array
Posted by Greggo on Fri, 07 Jul 2006 11:03:44 GMT
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Very cool speaker, but is it a line array? I don't think so. The woofer tower probably behaves as an array no doubt, but I am not so sure about the rest. Certainly not above the crossover of the tweeter, which I imagine is somewhere around 2-3kHz but they don't specify. The main tower appears to be an extended 2.5 way with MMTMM arrangement augmented by a second pair of mids above and below. I would call this an impressive statement speaker system, but not the ultimate line array, IMHO. Also, my bias tends to keep me in the straight line array camp and not into the curved thing, my thinking is a curved array creates more problems than it solves, but if you like to listen alone, in the same chair every time and not move your head, then I guess it could be ideal...Again, it is very cool and I enjoyed checking it out. Thanks for posting.Greg

Subject: Re: ultimate line array
Posted by Anonymous on Mon, 10 Jul 2006 15:28:40 GMT
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Pretty cool for commericial product. If you have DIY skills you canmake your own ultimate array for less money.

Subject: Re: ultimate line array
Posted by Jim Griffin on Mon, 10 Jul 2006 20:34:28 GMT
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In reading their material I don't see a mention of line array nor non-near field line array. A focused array behaves as a far field source so I would not expect the benefits of a near field array. It is a very expensive--likely a placeholder for their high end business. Likely, you not see any of these systems in the USA. Jim

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Subject: Re: ultimate line array
Posted by Tom R. on Sat, 15 Jul 2006 02:33:53 GMT
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Jim, Please explain the following statment, "A focused array behaves as a far field source so I would not expect the benefits of a near field array". HOW IS THIS SO ??? Tom R.

Subject: Re: ultimate line array
Posted by Jim Griffin on Sat, 15 Jul 2006 12:24:52 GMT
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Tom,A focused array has all drivers creating overlapping radiation patterns so you are not extending the aperture (height in this case) as you do with a near field array. Essentially, you are generating a spherical radiation source with a focused array which is unlike the cylindrical wavefront created by a near field array.Jim

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