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Subject: MTM vs vertical MM and summing?

Posted by [Norris Wilson](#) on Wed, 05 Nov 2008 23:07:29 GMT

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How would one determine the summing of two woofers in either MTM or MM arrangement, and their differences? The woofers in question would be the JBL 2118J's. Just guessing they would be run from around 200Hz and up to around 2kHz. The tweeter would be a Beyma CP385Nd with possible BMS 2193 elliptical 90x40 degree waveguide with 1.4kHz cut off. <http://www.jblpro.com/pub/obsolete/2118.pdf> Would using two woofers together in either of these vertical arrangements reduce or increase output, and or distortion levels? What would be the possible pro's and con's of this type of dual woofer midrange versus a single driver midrange such as an Eighteen Sound 10NDA610? [http://www.eighteensound.com/index.aspx?mainMenu=view\\_product&pid=241](http://www.eighteensound.com/index.aspx?mainMenu=view_product&pid=241) Also, what is the formula to calculate the nulls of a 90 degree angle between a woofer and tweeter? Again! Thanks NW

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