

How Do I Invert These Two Functions

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-11/msg05991.html>

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 - *Date:* Wed, 28 Nov 2007 23:23:02 GMT
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If I define $u_1(r_1, r_2) = (1/r_1) + (1/r_2)$ and $u_2(r_1, r_2) = 1/(r_2 - r_1)$. How would I go about solving these two equations for $r_1(u_1, u_2)$ and $r_2(u_1, u_2)$, which would constitute "inverting the functions"? Thanks In Advance!

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