

## YAXT - Bug #335

### passing pointers of zero-size arrays to redists

04/23/2015 11:45 AM - Moritz Hanke

<b>Status:</b>	New	<b>Start date:</b>	04/23/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>The addresses of arrays passed to <code>xt_redist_s_exchange</code> can be NULL, when the size of the array is zero. This can cause problems especially when <code>redist</code> collections are used.</p> <p>For zero-sized arrays a <code>redist</code> should not contain any message. When this happens we might have to consider applying some kind of special handling.</p> <p>When the Fortran interface is used, no appropriate <code>C_LOC</code>-pointer can be generated.</p>			
Tasks:			
<ul style="list-style-type: none"><li>• reproduce problem with test (only occurs with certain MPIs)</li><li>• fix problem of define that NULL pointers are not allowed</li></ul>			