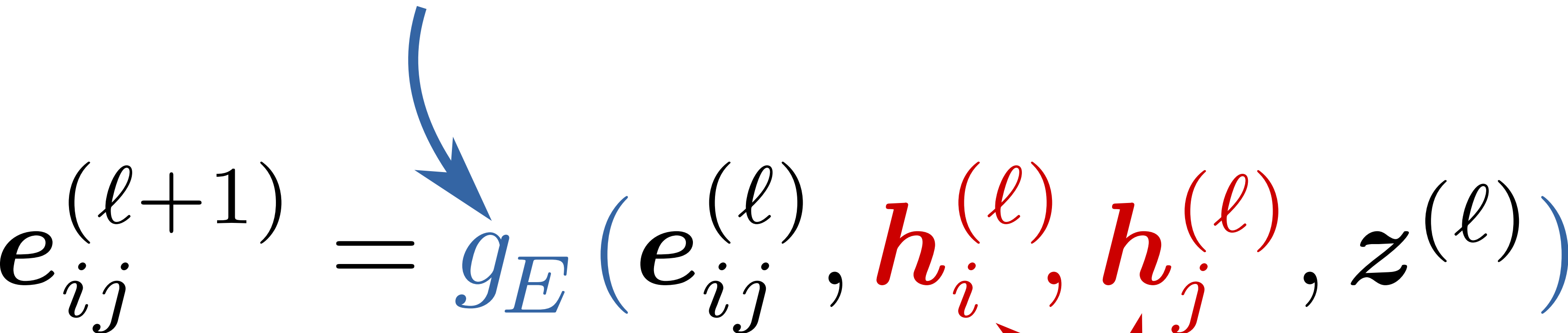


update  
function



The diagram illustrates the update function  $g_E$  and the aggregation process. A blue arrow points from the text "update function" to the function  $g_E$  in the equation. The equation is  $e_{ij}^{(\ell+1)} = g_E(e_{ij}^{(\ell)}, h_i^{(\ell)}, h_j^{(\ell)}, z^{(\ell)})$ . The inputs  $h_i^{(\ell)}$  and  $h_j^{(\ell)}$  are shown in red, and a red arrow labeled "aggregation" points to them.

$$e_{ij}^{(\ell+1)} = g_E(e_{ij}^{(\ell)}, h_i^{(\ell)}, h_j^{(\ell)}, z^{(\ell)})$$

aggregation