

Employing the same basic approach as in Sec. 12.1, determine the concentration of chloride in each of the Great Lakes using the information shown in Fig. 1. Compute the matrix inverse, and use it to determine the percent reduction of the concentration in Lake Ontario due to a 50% reduction of the loadings to Lake Superior and Lake Michigan.

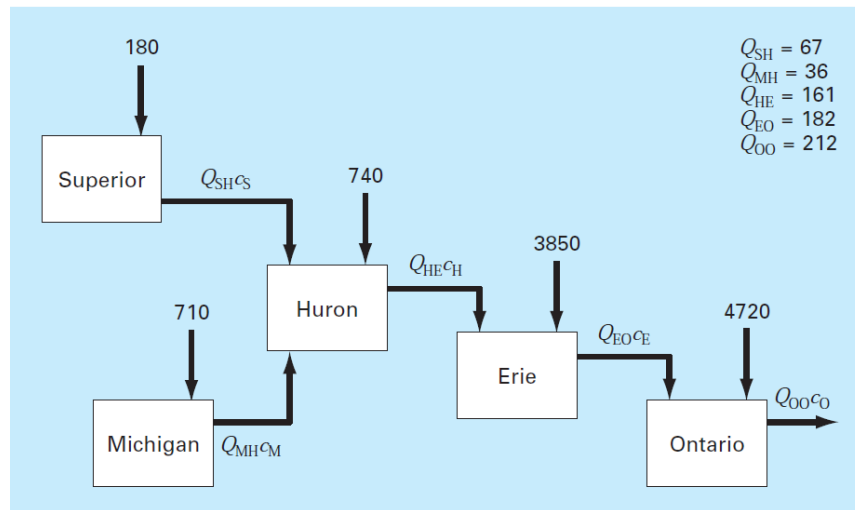


Figure 1. A chloride balance for the Great Lakes. Numbered arrows are direct inputs.

Deliverables

Your report should include the description of the problem, how you set up the problem, assumptions, method of solution, the Matlab/Octave code that you used, the results, all relevant plots, discussion and potential weaknesses in your solution method. Upload your work to the elearning website in a zip file containing all relevant files.