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**Alathea Irene Jensen\*** ([jensena@susqu.edu](mailto:jensena@susqu.edu)), 514 University Ave, Selinsgrove, PA 17870. *The Kobon Triangle Problem*. Preliminary report.

The Kobon triangle problem is a long-standing open problem in discrete geometry that asks for the maximum number of triangular cells in an arrangement of lines in the Euclidean plane. This talk will give an overview of the current state of the problem and discuss some new observations and directions for research. (Received January 20, 2020)