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Julianne Teng* (julianneteng17@yahoo.com). *Angle constructability on lattices generated by different quadrilaterals.*

We begin by defining a "constructible angle." Then, we discuss how to prove two lattices have the same constructible angles. Finally, we use the above definition and process to prove certain lattices have the same angle constructibility: including square lattices, certain trapezoidal lattices, and certain parallelogram lattices. (Received September 05, 2012)