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Overall, this talk can be viewed as an introduction for methods for constructing multidimensional continued fraction algorithms. We will generalize a type of multidimensional continued fraction (the triangle map) to a new family of multidimensional continued fractions, which we call *translated triangle maps*. We will see, in a sharp, well-defined way, that the original triangle map is to translated triangle maps what the standard continued fraction

$$a_0 + \frac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \ddots}}}$$

is to the more general continued fraction

$$a_0 + \frac{b_1}{a_1 + \frac{b_2}{a_2 + \frac{b_3}{a_3 + \ddots}}}$$

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