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

\[ a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \ddots}}} \]

is to the more general continued fraction

\[ a_0 + \cfrac{b_1}{a_1 + \cfrac{b_2}{a_2 + \cfrac{b_3}{a_3 + \ddots}}} \]

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