

For any rotation the true Lambda in a Monte Carlo simulation may not be compatible with the notion of simplicity. For instance, CF-Quartimax will prefer the equivalent lambda where 0.1 is set to 0 and the correlation between the factors is higher. By equivalent is meant that the same correlation matrix is reproduced. A Lambda can be recovered perfectly only if it is a "simple" Lambda in the sense that it minimizes the rotation criterion. It can be hard to determine such Lambda compatibility but it is useful to have at least m zeroes in each column.

The incompatibility means that a large sample can give "worse" results than a smaller sample. See also the Asparouhov-Muthen 2009 ESEM article in the SEM journal.