

Massless particles are divided into two different types of representations. The well-known ones are labeled by the eigenvalues of helicity operator and are usually called "helicity" or "finite-spin" representations. Another less-known kind of massless particles are determined by a continuous parameter which are often called "continuous-spin" or "infinite-spin" representations. In this talk, we will review some recent advances on the theory of continuous-spin particle (CSP), by focusing on our recent paper.