## 1163-11-1192Ayse Alaca\*, aysealaca@cunet.carleton.ca. Representations by certain non-diagonal<br/>positive-definite quaternary quadratic forms.

We will discuss the representations of positive integers by certain positive-definite integral non-diagonal quaternary quadratic forms. Explicit formulas will be presented for the representation numbers of several quaternary quadratic forms. (Received September 15, 2020)