**Кириллов Н. Мк-10 Реферативная аннотация ко второму тексту:**

Over the past half century, ceramics have received significant attention as candidate materials for use as structural materials under various conditions. In this paper, ceramic composites at various scale levels are considered, which leads to multiscale modeling. Two basic modeling methods are considered: the finite element method (FEM) and the molecular dynamics (MD) method. FEM is based on the mechanical foundations of the continuum and uses spatial mechanisms for modeling. The MD method focuses on understanding the mechanisms of deformation in composites and determining the factors that affect their strength. When combined, two methods extract information about several phases of the material under investigation and its mechanical properties.