**Кириллов Н. Мк-10 Реферативная аннотация к выбранному тексту:**

Today, the use of carbon nanotubes and their incorporation into metallic, polymer and ceramic composites is being studied. Thanks to CNTs, a significant increase in the mechanical properties of materials is possible. The purpose of this work is to prepare dense CNT-Fe-Al2O3 composites containing more CNTs and to study the effect of CNTs on mechanical properties. Several composites including CNT-Al2O3, CNT-MgO, CNT-Co-MgAl2O4 and others were considered in the work. All composites were prepared by hot pressing the respective composite powders. As a result of the work, it was found that CNTs contribute to the improvement of such properties as tensile strength and fracture toughness for ceramic composites. This is due to the fact that CNTs fill the pores inter- and intra the grains of the matrix of the ceramic. However, these phenomena should be studied more thoroughly.

\*Данная реферативная аннотация немного больше чем среднее значение в 600 знаков, как указано в учебном пособии. Это связано с объемом текста и технической сложностью его понимания.