## **A**BSTRACT

## THE COMPUTER SIMULATION OF GRAPHITE STRUCTURE TRANSFOR-MATION AT MECHANICAL MILLING

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The methods of computer simulation investigate change of the average sizes of crystals at mechanical milling. Is established, that is not dependent on an initial type of distribution for crystals on the sizes, the average sizes of crystals at mechanical milling change in steps, depending on time of milling. Any initial distribution of crystals on the sizes at mechanical milling is transformed in normal. The step reduction of the average sizes of crystals at milling is the reason of similar unmonotonous change average interplanar distances, and also transformation of structure of graphite crystals in structure of amorphous carbon.

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