

## **Problems of Geometrical Probabilities in $E^3$**

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**Abstract:** In this paper the author establishes an integral formula referring to lattices in an Euclidian space  $E^3$ , by which some of S. Ohio's Theorems are found directly and some suggestive interpretation of the theorems are obtained, some new theorems are also given. The results obtained are applied to some usual lattices in the space  $E^3$ .