

INSTRUCTIONS FOR PRODUCING AN ABSTRACT FOR PUBLICATION
IN BOOK OF ABSTRACTS USING L^AT_EX¹

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An exact analytical method for the calculation of volume of overlapping spheres is presented. In the considered procedure the volume is expressed as a surface integral of the second kind over the closed region. Using the stereographic projection the surface integral is transformed to a sum of double integrals which are reduced to line integrals.

Slightly modified, this method can be used for calculation of the partially “free” volume of a separated sphere.

References

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