

## **2D Numerical Integration Method Based on Particle Swarm Optimization**

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### **Abstract**

In this paper, a novel numerical double integration method based on Particle Swarm Optimization (PSO) was presented. PSO is a technique based on the cooperation between particles. The exchange of information between these particles allows to resolve difficult problems. This approach is carefully handled and tested with an illustrated example.

**Keywords :** Riemann, Sum Numerical Integration, Particle Swarm Optimization.

**Link** <http://jacs.usv.ro/index.php?pag=showcontent&issue=12&year=2012>