

Abstract Submitted  
for the SHOCK11 Meeting of  
The American Physical Society

**Neutrosophic Diagram and Classes of Neutrosophic Paradoxes,  
or To the Outer-Limits of Science** FLORENTIN SMARANDACHE, University  
of New Mexico, Gallup Campus — These paradoxes are called “neutrosophic” since  
they are based on indeterminacy (or neutrality, i.e. neither true nor false), which is  
the third component in neutrosophic logic. We generalize the Venn Diagram to a  
Neutrosophic Diagram, which deals with vague, inexact, ambiguous, illdefined ideas,  
statements, notions, entities with unclear borders. We define the neutrosophic truth  
table and introduce two neutrosophic operators (*neuterization* and *antonymization*  
operators) and we give many classes of neutrosophic paradoxes that may occur in  
sciences.

Florentin Smarandache  
University of New Mexico, Gallup Campus

Date submitted: 13 Nov 2010

Electronic form version 1.4