

# Abstract

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Chaotic number system is a tool which was needed to solve the mysteries of today's modern mathematical problems the unsolved millennium prize problems namely 1. Riemann Hypothesis, 2. Navier Stokes Equations, 3. Yang Mills Theory and Mass Gap. These are some of the names of problems which we will see in this paper can be solved I don't claim that I have solved these problems but certainly I have given a new perspective on them. We use chaotic numbers and axiomatic properties of these numbers which is denoted by  $Un$  and is a super set of complex numbers. The numbers are dynamic and always changing the operations on them are different and they match the exact description of quantum mechanics as the root of inventing these numbers was to understand quantum particles and having a clear understanding by the mathematics that works with the same uncertainty.