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Riemannium nucleus and quantum solution to the Riemann hypothesis (RH) CARLOS FIGUEROA-NAVARRO, Departamento de Ingeniería Industrial, Unidad Regional Centro, Universidad de Sonora, JULIO CAMPOS-GARCIA, Departamento de Ciencias de la Salud, Unidad Cajeme, Universidad de Sonora, MARTÍN MOLINAR-TABARES, Organismo de Cuenca Noroeste, Comisión Nacional del Agua, LAMBERTO CASTRO-ARCE, Departamento de Física e Ingeniería, Unidad Regional Sur, Universidad de Sonora — Is there an energy spectrum according to the primes numbers? This raises the question whether physical systems whose spectrum is the Riemann zeta function; ie, is there a spectrum of resonances of a nucleus that are the zeros of the zeta function? The renowned HR is basically preceded by the Euclid principle, the Euler product and the Gauss theorem. The best mathematical interpretation is the one that threw Riemannian revolution. HR holds that the nontrivial zeros of the zeta function keep the harmony of primes, but this is not fully tested. There are two possibilities: The HR can be true, then the primes have harmony, but if false, they nest in the chaos. The idea of this is important for studying models of quantum chaos is getting stronger in the last decade. These investigations lead us to believe that a highly mathematical problem becomes a physical problem; because according to Hugh Montgomery and Michael Berry the variations of the zeros, with drums and quantum billiards, can provide a physical model for explain the primes. In this paper, we generate the Mount Riemann by using MATHEMATICA and we get the profile that relates the prime numbers with the zeros of the zeta function; also we explain how quantum helps to explain the famous old problem known as the conjecture of Riemann.

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