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How to find a massive prime number

We review the properties of Mersenne Numbers and how they can be used to identify large prime numbers. These examined properties will serve as a basis for the definition of a new class of integers which shall be called General Mersenne Numbers (GM numbers). A simple method on how to generate GM numbers will be presented. We shall examine the relative primality frequency of these numbers in comparison to the Mersenne Numbers. From an examination of the weaknesses of these numbers with regards to the purpose of identifying big primes, we shall define a second class of integers which shall be called Super General Mersenne Numbers (SGM numbers). A brief discussion on some open questions with regards to furthering this work shall be given.