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Introduction to the Mu-bit FLORENTIN SMARANDACHE, University of New Mexico, Gallup Campus, V. CHRISTIANTO, Sciprint.org — Mu-bit is defined here as 'multi-space bit'. It is different from the standard meaning of bit in conventional computation, because in Smarandache's multispace theory (also spelt multi-space) the bit is created simultaneously in many subspaces (that form together a multi-space). This new 'bit' term is different from multi-valued-bit already known in computer technology, for example as MVLong. This new concept is also different from qu-bit from quantum computation terminology. We know that using quantum mechanics logic we could introduce new way of computation with 'qubit' (quantum bit), but the logic remains Neumann. Now, from the viewpoint of m-valued multi-space logic, we introduce a new term: 'mu-bit' (from 'multi-space bit).

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