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(54) Title: DATABASE AND METHOD FOR EVALUATING DATA THEREFROM

(57) Abstract: A computer system for calculating a quantity from a set of input values. The computer system comprises a database that is configured to store a sequence of first input values X_n wherein $n=1,2,...,i$, wherein for any value of n , X_n lies between X_{n+1} and x in the sequence. Each value of x has associated with it a second input value y_n , a conversion value p_n that is calculated from y_n according to a conversion algorithm, and an output value z_n , wherein $z_n = z_{n-1} + p_n$. The database is configured to store the plurality of output values z_n . The database may also be configured to identify a minimum and/or maximum value from a sequence of values stored therein, and to define at least a first subsequence of values and a second subsequence of values immediately following the first subsequence of values, wherein the boundary between the first and second subsequences is located at the position of either the minimum or maximum value of the sequence.



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