

Proposal about subscripted variables

In the description of ALGOL 60 the use of subscripted variables is allowed by means of arrays. The meaning of such subscripts is a spatial one, i.e. the actual values of all subscripts define an address in the storage location, and the run of subscript is corresponding to an address variation. But, in numerical analysis we need also another kind of subscript that we shall call "temporal subscript" or better "serial subscript". In this case, the run of such a subscript is corresponding to a variation of the value in time and not in space.

This implies a new declarator :

serial k

FOR k := 1 (1) n

FOR i := E (E) E : , begin ...

a [i , k] := a [i - 1 , k - 1] end

B. VAURQUOIS

BV/js
1.13.60