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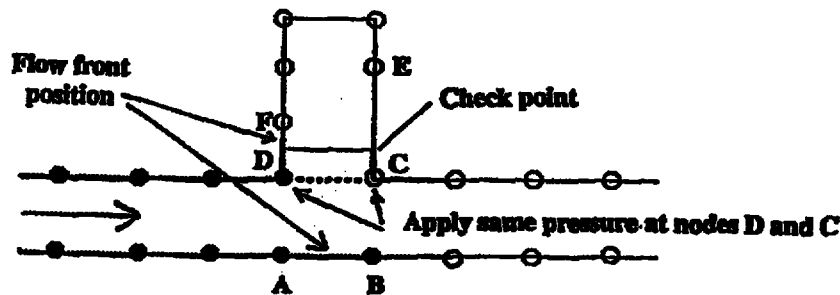
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(54) Title: METHOD FOR MODELLING THREE-DIMENSIONAL OBJECTS AND SIMULATION OF FLUID FLOW



(57) Abstract

A method for simulating fluid flow within a three-dimensional object having first and second generally opposed surfaces including matching each element (DF) of said first surface with an element (CE) of said second surface between which a reasonable thickness may be defined, wherein matched elements of said first surface constitute a first set of matched elements and matched elements of said second surface constitute a second set of matched elements specifying a fluid injection point, performing a flow analysis using each set of said matched elements, whereby said injection point is linked to all locations on said first and second surfaces from which flow may emanate such that resulting flow fronts along said first and second surfaces are synchronized.

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