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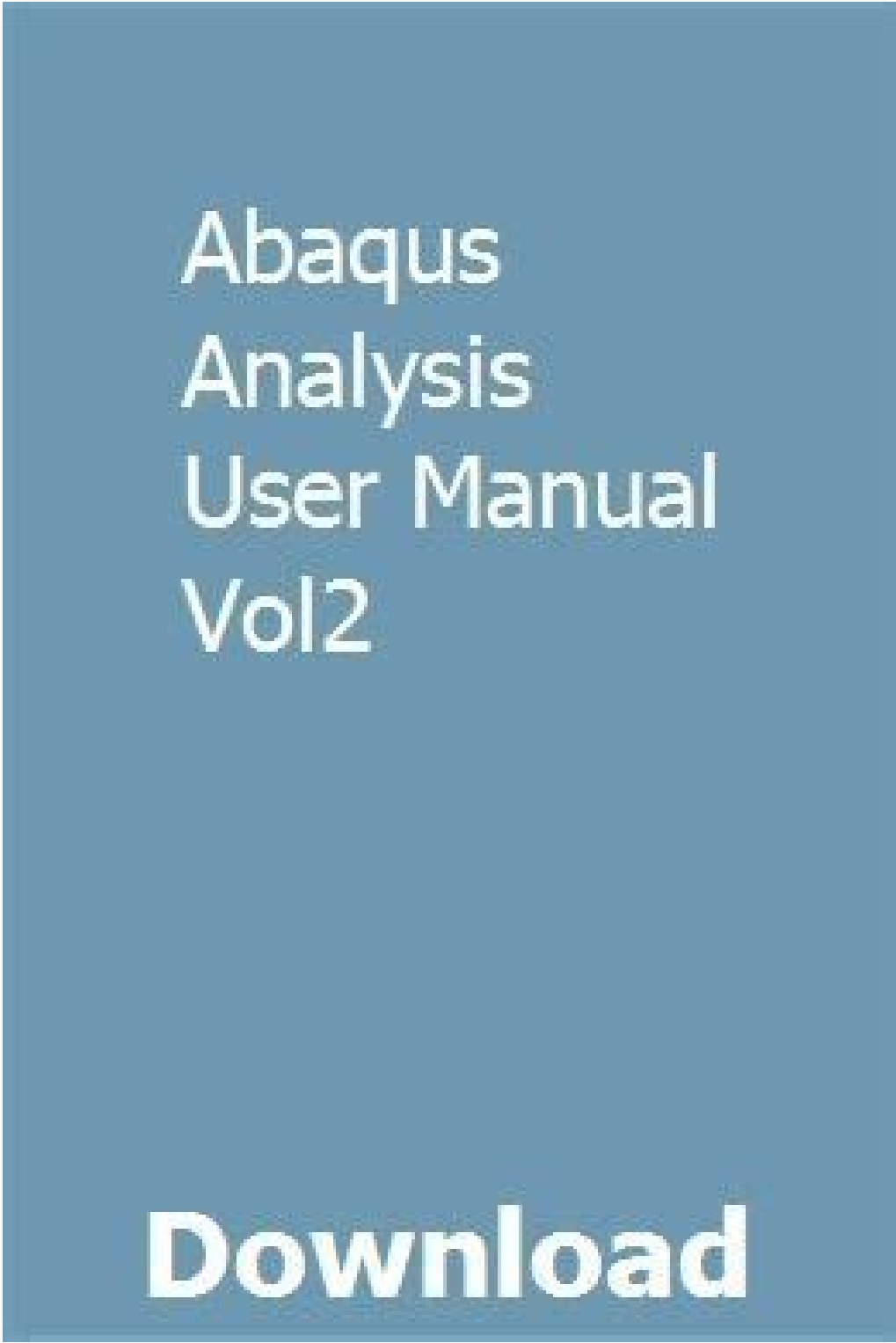
  
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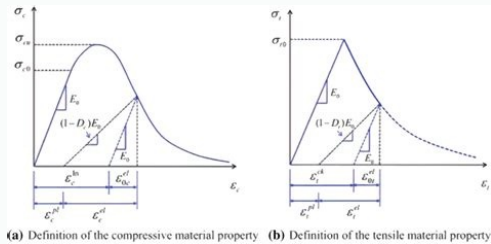
## Abaqus user manual 11.6 1 mass scaling

### Abaqus mass scaling. How to use mass scaling in abaqus. Abaqus user manual.

Analysis of the ABAQUS user manual "Weight scaling", Section 11.6.1 Productabaqus/Explitypehistory DATALEVELNSPABAQUS/CAESTEP DT module Define this parameter the stable time of the desired article for the amount of items delivered. The mass scale is used according to the method defined by the typical parameter. If the DT parameter is omitted, all weight calendar definitions are removed beforehand and the weight matrix at the end of the previous step is translated into the current step. Elset defines this parameter for the values of the element quantity for which the weight calendar definition is used. If this parameter is omitted, the mass definition is used for all model elements. The function of the variable weight scale can be repeated with different Elset definitions in order to define different weight standards for input rates.

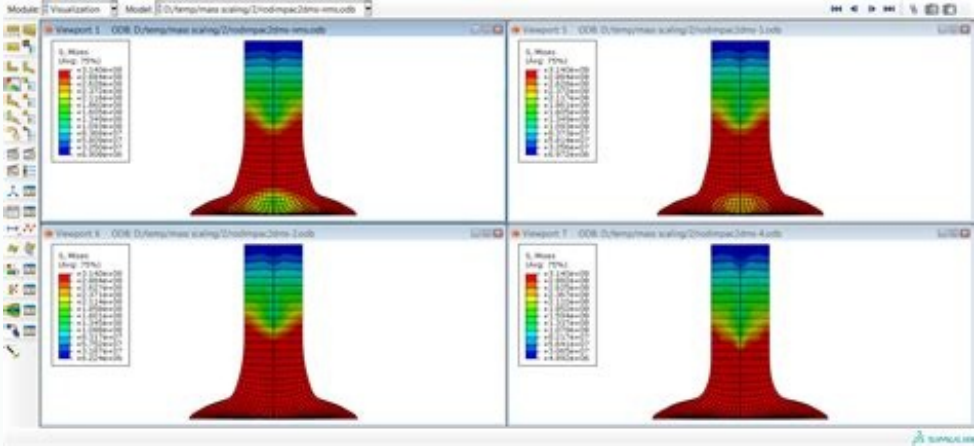


Type define the type = uniformly for the scale of the element mass and the smallest stable elements of the elements in the scale, which correspond to the value of the assigned DT. Define type = below min. The weights of these elements are placed on a scale so that the stable elements correspond to the value of the assigned DT. Define the type = define the same DT for the scale of all elements so that you have the same stable time and the value of the assigned DT. Define type = turn to automatically adjust the weights of the parts to the scales and simulate the laminating process. The suitable value for the desired stable time is determined by ABAQUS based on several parameters of the laminate process. In this case, the DT parameter is ignored. Mandatory parameters that mutually exclude each other when the parameter DT or the parameter = roll frequency is used. Define this parameter of the frequency through additions to which the scale calculation must be carried out during the step. ForB "Handbook of the ABAQUS -Analysis \XE2 \X9cmass Scaling, \XE2 \X9D Section 11.6.1 Producttiabaqus/ExplicitytptyTyptyTytypeHoryulmodule. Assen, all definitions of the variable mass scale The previous steps are removed and the matrix is moved from the end of the previous passage to the current passage set sets of these parameters for the name of the element of the sentence to which this definition of the mass scale is applied.

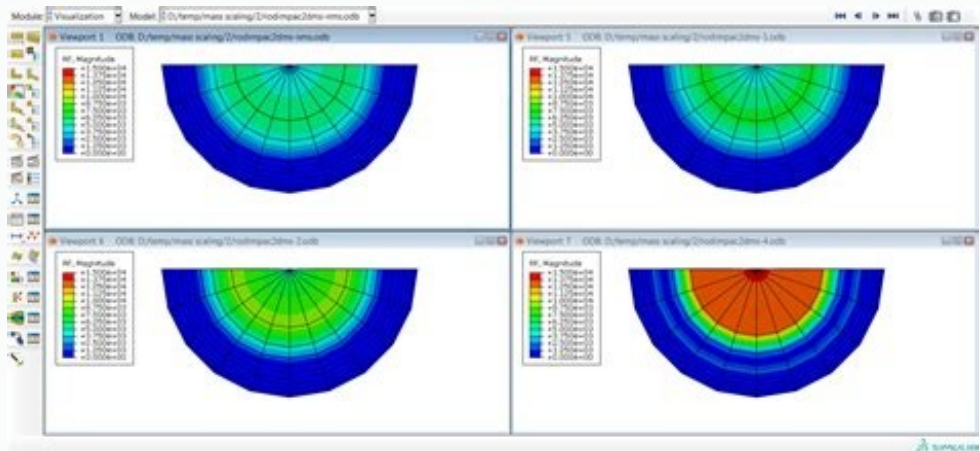


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The weights of these elements are placed on a scale so that the stable elements correspond to the value of the assigned DT. Define the type = define the same DT for the scale of all elements so that you have the same stable time and the value of the assigned DT. Define type = turn to automatically adjust the weights of the parts to the scales and stabilize the lamination process. The suitable value for the desired stable time is determined by ABAQUS based on several parameters of the laminate process. In this case, the DT parameter is ignored. Mandatory parameters that mutually exclude each other when the parameter DT or the parameter = roll frequency is used. Define this parameter of the frequency through additions to which the scale calculation must be carried out during the step. ForB "Handbook of the ABAQUS-Analysis\XE2\X9cmass Scaling,X\E2\X9D Section 11.6.1 Producttibaqus\Explicit\typoTpyt\TypoTypeHoryumodule. Assen, all definitions of the variable mass scale The previous steps are removed and the matrix is moved from the end of the previous passage to the current passage set sets of these parameters for the name of the element of the sentence to which this definition of the mass scale applies to all elements in Model mass stairs for the sentence of certain elements. Type rate type = uniformly to climb the mass of the elements evenly, so that a stable temporal reinforcement of the smaller elements of the scaling elements is equal to the value that is assigned to the DT -Set type = below min (Standard) to weigh only the elements, the temporal steps of element stability are lower than the value assigned to the DT. The weights of these elements are modified in such a way that the temporal increase in the stability of the elements corresponds equally to the value of the DT. The type = set equal dt setting increases the weights of all elements, so that their stable time clips are equally the value that is assigned to the DT. Put the type = roll to change the masses of the elements automatically to simulate the lamination process. The corresponding value of the stable time increase is determined by ABAQUS by several parameters of the lamination process. In this case, the DT parameter is ignored. If the DT parameter or the parameter type = rolling frequency is used, parameters are required that are mutually excluded. Set this parameter in steps to the same frequencyTake a step. Parameters required type = node exceed compartments lupus.

Set this parameter to the number of nodes in the cross part of the part.

Increasing this value will reduce the amount of collective scaling used. The extracted length sets this parameter as the average length of the element for rolling. The feed rate sets this parameter to the same average part speed for rolling under agreed conditions. No data lines are associated with this option. User Guide for ABAQUS Analysis - Scale of Matter, Section 11.6.1 M Motual (structural) (OP) November 4th 6:34 pm Hello everyone. I have a quasi-static problem where I need to use weight scaling to increase the stable time magnification and use weight scaling for the first time. I used two mass scale coefficients to assign a mass coefficient to selected sets of elements with a higher scaling rate (200) for those elements with a stable time less than 1E-5 and a different value (150). Factor for other model elements. Regarding the coefficients of the mass scale, the cost of the calculations decreased significantly. But I have some concerns about the results. The question is how the results will be evaluated. I searched on the net but I didn't find much about it. Some of the few search results have talked about certain criteria that allow me to accept the model's results after using the Scale of Matter. You mentioned that the total energy must be constant, especially for quasi-statics and zero or value close to zero. However, it can show that the words "almost zero" are very ambiguous. In my model the total energy was constant but equal (0.225).

My units are N and MM. I also found another criterion related to kinetic and internal energy. It is said that the kinetic energy cannot increase by more than 5% internal energy ratio. My questions are as follows: a) Is the total energy value F 0.225>Action action