





## ETE应用-转PERFORM3D 模型

## 导出ETABS计算内力



-		Ű)			
CONNECTE	on of the Criteria	La construction de la constructi			
输口	,				
ŵ⊔ ◆		×	6	Ø	0





ETE应用-转PERFORM3D 模型	读入
导出ETABS计算内力	
File       Edit       View       Define       Draw       Select       Assign       Analyze       Display       Design       Detailing       Options       Help         Image: Select       Assign       Analyze       Display       Design       Detailing       Options       Help         Image: Select       Assign       Analyze       Display       Design       Detailing       Options       Help         Image: Select       Assign       Analyze       Image: Select       Assign       Image: Select       Image: Select <td></td>	
Image: Contract of the contract of	选择单工况输出 注意: -开头的是规定水平力
Multi-step Output     Image: Step by Step   Image: Step by Step   Image: Load Combinations     Step-by Step   Image: Load Combinations     Image: Step by Step   Image: Load Combinations   Image: Combine Case and Step Fields   Image: Modes   Image: Load Combinations   Image: Load Combine Case and Step Fields   Image: Load Combine Case and Step	无需输出
OK         Cancel           Max = 1.2 mm at [19.35 m, -3.2479 m, 35.6	微信公众号:Dino结构笔记

ETE应用-转PERFORM3D 模型	读入
导出ETABS计算内力	
FIABS 2013 Plus C 13.2.2 - 20140331T4_V13         File Edit View Define Draw Select Assign Analyze Display Design Detailing Options         Image: Construction of the construction of	► Compare the sector of t
Open File After Export	微信公众号 : Dino结构笔记





说明: 超筋的按5%最大配筋率赋予



微信公众号:Dino结构笔记

ETE应用-转PERFORM3D 模型	波入 副 回 回 回 回 回 回 回 回 回 回 回 回 回 回 回 回 回 回
◎ 点击转接口	输出
ETABJ       Image: Constraint of the system       Image: Consten       Image: Consten       Image:	
读入	
的出	点击转接口
ABAQUS PERFORM 3D SAP2000 BUILDING MIDAS GEN XTRACT	
◆ ○ ○ ③ XY XZ YZ ○ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	
2007 cfinochen.com	微信公众号:Dino结构笔记









关于Records文件夹: 就是PERFORM 3D软件目录中 自带的存储地震波的文件夹, 只有把地震波拷贝到该文件夹 下,才会被软件识别

一般情况ETE会自动识别该文 件夹位置以便后台将用户地震 波拷贝到那里; 无法识别情况下,需用户人工 选择所在位置





ETE应用-转PERFORM3D 模型	波入
P3D模型关键点	12 III IIII IIIIIIIIIIIIIIIIIIIIIIIIIII
POTTOSM-20 V4: STILLBAAKE      Post Fack Help      PottosM-20 V4: STILLBAAKE      Pottos	打开后的模型
Land     Defends vacular official devices.       Defends vacular official devices.     Transfer free gid incases:       Specify convertains:     Free did incases:       H1 Consolination of State     Free did incases:	心急的可以 直接开始计算
V Executive of Surt No. of Rue Bay Victo Sury Heads Revery victor from some considerer Of Exe C. Will or took from any considerer Of Exe C. Will or took from some Text Crowel Text Crowel New York of the Bir	无需其他操作
Definition to subject subject from constraint         1       2       3       3       1       1       2       1       <	NC Caes Hame
Pro-ficus A regions in t is Series         Pro-ficus A regions         Pro-ficus A regions in t is Series         Pro-ficus A regions in t is S	2 de
Cinochen.com	、号:Dino结构笔记

ETE应用-转PERFORM3D 模型	(夜入) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
P3D模型关键点-支座指定	输出 会 超 上 10000000 200 20000 00000 00000 000000 000000
PERCON: JO VA: STRUMANE     Processing     Processing <th>如果是人工操作教程: <ul> <li>4. 在SUPPORT面板</li> <li>4. 选择支座点,</li> <li>4. 指定自由还是固定</li> </ul> ETE已经自动生成支座</th>	如果是人工操作教程: <ul> <li>4. 在SUPPORT面板</li> <li>4. 选择支座点,</li> <li>4. 指定自由还是固定</li> </ul> ETE已经自动生成支座
dinochen.com	微信公众号:Dino结构笔记









微信公众号: Dino结构笔记



TE应用-转PERF	ORM3D 模型 ā-纤维截面	(支入 ■ EI の のの美術語 のの二 輸出 ◆ EI ● 1 ● 1 ● 1 ● 1 ● 1 ● 1 ● 1 ● 1
COMPOSENT PEOPERTIES  Turk E.S. Curverse  Varies Investigation and Composent People and  And Composed Composent People and Composed  And Composed Composed Composed Composed Composed Composed  And Composed Composed Composed Composed Composed  And Composed Composed Composed Composed Composed Composed  And Composed	A REFERENCE FOR SUPPORT         Components       Support         Entry to be address or chambles         Server to be a	<ul> <li>如果是人工操作教程(以柱为例)</li> <li>打开Compound标签卡</li> <li>新建拼装截面</li> <li>计算每块混凝土面积和位置</li> <li>计算每根钢筋的面积和位置</li> <li>人工一个个填入</li> </ul>
Structural Fibers     Capacities       STRUCTURAL FIBER TO BE ADDED OR O       Material Type     Inelastic Steel Material, Non-But       Material Name     STEEL       Fiber Area     Axis 2 Coord	Shear and Torsion     Other Properties       Changed     Axis 2       ckling     Image: Arrow of the state of th	ETE已经自动进行截面纤维剖分 并根据配筋结果生成纤维截面
Add       Ins         STRUCTURAL FIBER LIST (MAX 60)       Cli         No. Type       Material Name         1       Steel         2       Steel         3       Concrete         C60         4       Concrete         C60         5       Concrete         C60         6       Concrete         C60         7       Concrete         C60	Replace         Delete           Area         Axis 2 Coord         Axis 3 Coord           12250         -655         -655           12250         655         -655           12250         525         -525           122500         -175         -525           122500         175         -525           122500         525         -525           122500         175         -525           122500         525         -525           122500         525         -525           122500         525         -525           122500         525         -525	纤维截面的 本质是什么? 从用户角度可以理解为: 其实就是配筋

O CTMCT

ETE应用-转PERFORM3D 模型	波入
P3D模型关键点-性能指标	第15 金 図 X Control Surger Control Co
LIMIT STATES         Type Deformation         Type Deformation         Status Saved         Name EXAM_VIO         Name EXAM_VIO         Outpersonance to edit         Name EXAM_VIO         Outpersonance to edit         Deformation Conditions         CONDITION TO BE ADDED         Be careful When you specify the limit state conditions, to make sure that you choose the cornect element group. Component type, deformation type and performance level         Component Type Moment Hinge, Curvature Type       List all possible types         Deformation Type       Curvature, Pos or Neg       Deformation Type       Deformation D/C Ratio 10         LIST OF CONDITIONS (max. 20) Click to highlight for Insert, etc. Double click to select for editing       Add       Insert Replace Delete         Name       Element Type       Component Type       Deformation Type       Level D/C Limit •         Name       Element Type       Component Type       Deformation Type       Level D/C Limit •         Name       Element Type       Component Type       Deformation Type       Level D/C Limit •         1       Element Group <t< th=""><th><ul> <li>如果是人工操作教程:</li> <li>以梁假设抗剪性能IO为例:</li> <li>Compnent类型选择抗剪</li> <li>变形类型选择剪应变</li> <li>Level为1[关键点</li> <li>lO:1;LS:2;CP:3]</li> <li>D/C为1[关键点 OP为0.8]</li> </ul> ETE自动根据性能目标设置好</th></t<>	<ul> <li>如果是人工操作教程:</li> <li>以梁假设抗剪性能IO为例:</li> <li>Compnent类型选择抗剪</li> <li>变形类型选择剪应变</li> <li>Level为1[关键点</li> <li>lO:1;LS:2;CP:3]</li> <li>D/C为1[关键点 OP为0.8]</li> </ul> ETE自动根据性能目标设置好
$DY \qquad DU \qquad OP = 0.8 * DY \\ IO = 1.0 * DY \\ LS = 0.5*(DU-DY)+DY \\ CP = DU \qquad OP = DU$	のP IO LS CP怎么选? 这4水准与国家规 范又是什么关系? 在会员订阅课程中会详细阐述



ETE应用-转PERFORM3D 模型	進入
P3D模型关键点-地震工况	1)
LOAD CASES	
Load Case Type       Dynamic Earriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Status       Changes to a saved load case. Not yet saved.         Image: Carriquake       Image: Carriquake       Image: Carriquake       Status       Status       Status         Image: Carriquake       Image: Carriquake       Image: Carriquake       Image: Carriquake       Status	如果是人工操作教程: <ul> <li>新建工况</li> </ul>
Add/Review/Delete Earthquakes         Control Information for Dynamic Analysis         Total Time (sec)       40         Time Step (sec)       0.02         Limit State to Stop Analysis.       Type         Max Events in any Step (analysis stops if exceeded)       100	<ul> <li>选择地震波</li> <li>填写时长\步长\输出频率\判</li> </ul>
Save results every       1       time steps (default = every step)       Reference Drift       DX51         This affects time history plots. Usage ratios are still calculated every step.       This is used only for "thumbnail" plots of the response.         Earthquake Direction in Plan       Apple form structure H1 suits to earthquake Q1 axis (degrees)       Q2 \therefore H2 Q1 angle	定标准[义是一堆参数] • 填写加速度放大因子
Q1 Earthquake     Group     Examples     Image: Article Hill       Peak Acceln (g) =     .03776     Duration (sec) =     41.48	为什么要填加速度 放大因子?
Q2 Earthquake         Group       Examples         Peak Acceln (g) =       .03925         Duration (sec) =       41.48         Acceln Scale Factor       1	很多人直接用的是小震的波,
V Earthquake (usually not applied) Group NONE Name Peak Acceln (g) = Duration (sec) = Acceln Scale Factor 1.0 Time Scale Factor 1.0	西廷成八百奴, 百安两至/5 大震计算。
since 2007 clinochen.com	ETE自动设置好地震工况

1成后女从亏,011051将毛化

ETE应用-转PERFORM3D 模型	渡入
■ P3D模型关键点-计算顺序	1)
ONATIVAL STR FS         Cond Sim and         School In on the an Lobins is Now many and the school Simple school Si	如果是人工操作教程: Check模型无误后 新建工作任务 定义阻尼比 完成重力加载[0] 加入每条地震波[1]
New Analyses to be Run         ANALYSIS TO BE ADDED         Load Case Type       Dynamic Earthquake         Load Case Name       Image: Control of the sector of the sect	ETE自动 (这次管的有点多) 建议用户自己操作一遍 建议先进行一下模态分
Analysis Series Name = BIGEQK No. of mode shapes = 0 No. of analyses = 0 For more details on any analysis, click to highlight, then press Details. IPreceding Analysis No 1 + Load Case Name Istatus	析,保证尤误了, 再做时程





