

如何一鍵輸出文字報表 *.anl檔案?

使用Result

使用Result → Text Output功能。

在Text Output可輸出力量、位移、應力等分析模型所得到的結果,此功能按鈕如下圖。

R. DB	🔊 🖬 🖨 🛱	4														
View			Properties			Analysis	Results				gn Rating	Queŋ				
E#	+ Reactions *	🙀 Stresses 🔹	😝 Strain 🔹	🔀 Beam/Elemer	nt -	<u> M</u> ode Sh	apes *		🕂 Influ. Lines *	ħ	T.H Results *	2	Cable Control +	1	Text	
	H Deformation	s + 🙀 Diagram +		🎠 Local Directio	on	Modal D	amping Rat	0	A-Influ. Surfaces	- 🚺	T.H Graph/Te	ext - 🕞	Camber/Reaction *		10	<u> </u>
Load Combination	Forces -	📇 HY Results	•	+ Reduction Me	oment	🔄 Nodal Re	esults of RS		📫 Moving Trace	r - 🔢	Stage/Step (iraph 💈	📱 Tendon Loss Graph	Bridge Girder Diagram	Output	Results Tables *
Combination		Results		Detail		Mode	e shape		Moving Load		Time Histor	Y	Bridge		Text	Tables

在Text Printout Wizard中,先需要設定New Load Set,如下圖左。在New Load Set中可以 勾選模型內要輸出的載重組合。

Text Printout Wizard	×	Load Ca	ase/Con	nb Selection			×
Registered Output Load Sets	Step Option	Output Select	Load Se t Mode	t Name	Load Set 1	O Final S	Stage Results
	C Last Step			CS/CB	Туре	Load Name	L L
		1 2		omb omb	Conc.Comb Conc.Comb	cLCB1 cLCB2	1.4D 1.2D + 1.6L
Add New Load Set Modify Load Set Date A Load Set is defined by combining certain load case	and load	3 4		omb omb	Conc.Comb Conc.Comb	cLCB3 cLCB4	1.2D + 1.0(1.0EXN+0.3EZ) + 1.2D + 1.0(1.0EXN-0.3EZ) +
combinations for a specific print-out. For example, a lo evaluating reactions, another load set for element resu You may specify up to 3 load sets	ad set for lts, and so on.	5		omb omb	Conc.Comb Conc.Comb	cLCB5 cLCB6	1.2D + 1.0(1.0EXP+0.3EZ) + 1.2D + 1.0(1.0EXP-0.3EZ) +
		I7	ct All	omb Unselect All Lo	oad Select A	I Load Select	t All
< 上一步(8) (8) (8) (8)	*(N) > 取満	Sele		Comb's	Cas	es Envelo	/pes Cancel OK

點選下一步後,可勾選Beam或其他的結構桿件,Frc和Str分別代表Force和Stress。桿件選項 後方的關聯按鈕可以點選要輸出的斷面、材料等等。Min/Max by Property代表每個斷面形 式的最大值與最小值都會被輸出。

_		ement	Load Set 1	<u> </u>
🗆 Tru	55		Plate	
Res	m	õ	Wall	
Opla	and Changing		Avinametric	
U Pla	ne Strain		Axisymmetric	
🗌 Pla	ne Stress		Solid	
elected Out;	out		Description	┛
elected Outş Element Beam	Type	Default	Description	┛
elected Outy Element Beam Beam	Type Frc Frc	Default Min/Max by P	Description	
elected Outy Element Beam Beam Beam	Type Frc Frc Str	Default Min/Max by P Default	Description roperty	

ID	Section	Material	Story	Nar	• •	Sel	ect Outp	out	
Unsele	cted			Selec	ted		Туре	Descriptio	n
							Frc	Default	
			1				Frc	Min/Max by Propert	y
		>>	2				Str	Default	
			3		·		Str	Min/Max by Propert	y
			4						
		<	6						
		<<	7						
			8						
	1+-07.00	- 162 165	- 270 2	04 202	20.4				
Filter:	11057 55	10103 1051	02192	01203	2041	Out	put	O2pt O3pt	t 0.5 pt
								• - P. • • P.	

MIDAS

下一步驟中,可選擇要查看的Load Set,並勾選是否需要輸出Displacement及Reaction。 最後,可以排序所有的力量的顯示順序。輸出Displacement,可以在設定需要輸出的資料的步驟 中勾選Displacement的選項,如下圖。點選完成後即可輸出*.anl檔案。

pl. & React. Outpi Displacement (ut Selection Dutput		×	Result	Output List		dofuilt time	
Output Load S	et for Disp	lacement			ange your outp		Sort: Gelaur type	-
					Output	Туре	Description	
Load Set 1		🗠 🗹 Displacement 💷		1	Node Displ.	Disp	Default	1
				2	Beam	Frc	Default	
				3	Beam	Frc	Min/Max by Property	
Reaction Output	ıt			4	Beam	Str	Default	
0.1.1.1.1.0				5	Beam	Str	Min/Max by Property	
Output Load S	et for Kea	t.		6	Reaction	React	Default	
Selected Output	Tuno	Description						
Node Displ	Diep	Default		0	utput Options			
Reaction	Deact	Default						
Reaction	React	Local (if defined)			ASCII 🛛 🔿 RT	TF	Insert form feed at each output end	
					ile Name :		browse	
			_					

目前尚未有輸出Elastic Link Force和自動組合軸向應力功能 · Elastic Link Force可以在Results Tables內的Elastic Link中找到表格。

				Civil 2022 -	
View Structure Node/Element Cambination + Person + Perso	Properties Boundary Load A	nalysis Results P Mode Shapes - Modal Damping Ratio Nodal Results of RS Mode shape	SC Pushover D Influ. Lines * Influ. Surfaces * Moving Tracer * Moving Load	esign Rating Qu T.H Results - T.H Graph/Text - Stage/Step Graph Time History	Lety Tools IF Camber/Reaction - Ling Todon Loss Graph Diagram Bridge Text Tables Bridge Text Tables
玍跳出的框格中可以指 ■ Records Activation Dialog	定Elastic Link和Lc ×	oadCase。			A Reaction Concurrent(Max/Min) Reaction Displacements Truss Cable Perm
Elastic Link No. All None Inverse Prev No. Select Type Add Delete Replace Intersect	Loadcase/Combination Code Load(57) Gidewalk Load(57) MVnaxMVLMy28(57) MVL(Wiran) MVL(Wiran) LC31(C3:all) LC31(C3:max) LC31(C3:max) LC31(C3:max) LC31(C3:max) LC31(C3:max)				Plane Stress Plane Stress Plane Strain Axiyymmetric Solid P2 Elastic Link P2 General Link P2 Resultant Forces L Vibration Mode Shape Buckling Mode Shape E Buckling Mode Shape E Effective Scan Length
	OK Cancel	1			Nodal Results of RS Inelastic Hinge Time History Analysis
選取後得到的表格可以	與Excel相容·按下	左上角方;	框以全選用	所有表格。	Heat of Hydration Analysis
亦可按右鍵→Export to 告有特定範圍的選取,	o Excel · 儲存成Ex 亦可長按拉動選取	cel檔。 表格後,□	可直接透過	過複製貼上	Composite Section For C.S. Construction Stage Equilibrium Element Nodal Force
至Excel進行後處理。					Force Summary
Hode Load FX FY 1 deadoad -0.00001 0.00001 21 deadoad -0.00001 0.00000 21 deadoad -0.00000 0.00000 21 deadoad -0.00000 0.00000 31 deadoad -0.00000 0.00000 31 deadoad 0.00000 0.00000 31 deadoad 0.00000 0.00000 31 deadoad 0.00000 0.00000	FZ MX MY (6H) (6Hm) (6Hm) 0 2255 000000 0.000000 0.2555 000000 0.000000 0.000000 0.2555 000000 0.000000 0.000000 0.2555 000000 0.000000 0.000000 0.2555 000000 0.000000 0.000000 0.2550 000000 0.000000 0.000000 0.2550 000000 0.000000 0.000000 0.2550 000000 0.000000 0.000000 0.2550 000000 0.000000 0.000000 RCACTION FORCES PRINTOUT T	MZ (kN*m) 0.000000 0.000000 0.000000	Copy Find Sorting Dialog Style Dialog Show Graph		

Activate Records. Export to Excel...

View by Load Cases.

Dynamic Report Table.



FX (kN)

Load

FY (kN) FZ (kN)

250.0

MX (kN*m) MY (kN*m) MZ (kN*m)

0.000