

A New Joint for a Pipe-truss Bridge

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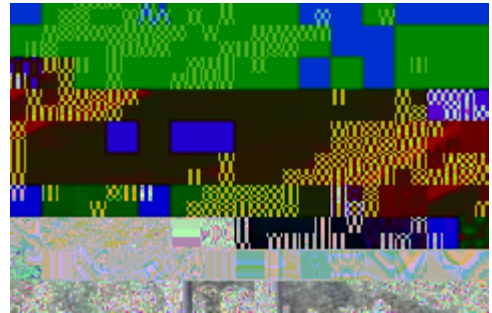


Table 1

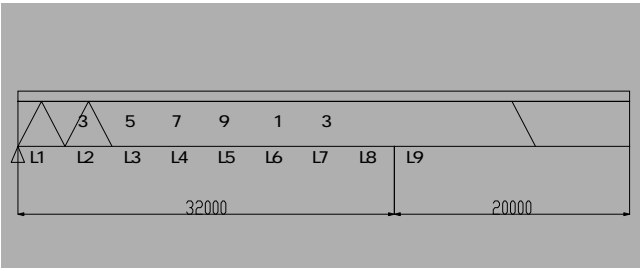


Table 4~ Results of gusset joint

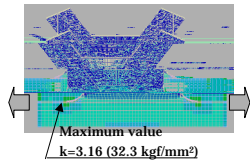
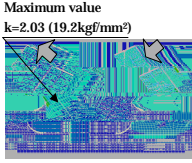
	Chord axis force	Diagonal axis force
Contour (tension)		
S.C.F (k)	3.16	2.03
Cause	Edge of splice ²⁾	Joint of splice

Table 5~ Results of C-type cast joint

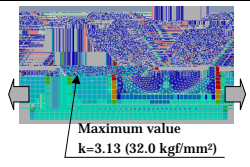
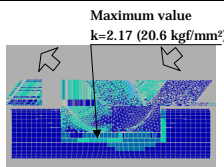
	Chord axis force	Diagonal axis force
Contour (tension)		
S.C.F (k)	3.13	2.17
Cause	Cover plate ³⁾	Shortage of cover plate length

Table 8

~ Table 8

Table 6~ Cylindrical cast joint

Model	
Points	Hollow cast structure Smooth shape Grooved shape Thickness of plates

Table 7~ Results of cylindrical cast joint

	Chord axis force	Diagonal axis force
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3.4

Table 3

k
k=2.11
k=2.91
k=3.13
k
k=2.17

CoarAJ14946(1BDD3aRda3F664cg46Ca4WardE3RESFC4C4d3H4DE3CDE3G

(1)

(2)

(3)

(4)

(1)

(Table 6)

3.5

Table 7

1

200
0.5 3Hz

