

Table 29 allenrngs2bay2.diff file obtained from the following command:

diff allenrngs2bay2.inp allenrngs2bay.inp > allenrngs2bay2.diff.

Difference between the *.inp files for the 2-bay curved panel without edge stiffeners (case=allenrngs2bay2) and the 2-bay curved panel with edge stiffeners (case=allenrngs2bay). The panel without edge stiffeners actually has edge stiffeners but they are very, very tiny, have very, very small moduli, and have very, very small prebuckling loads. The allenrngs2bay2.inp file is obtained starting from the allenrngs2bay.inp file and changing the appropriate GCP records pertaining to edge stiffeners only. See Fig. 83.

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2228c2228
< 5.050E+01, $ Matl 2: E1=Modulus along fibers.      BEGIN I-2 rec.
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> 5.050E+06, $ Matl 2: E1=Modulus along fibers.      BEGIN I-2 rec.
2230c2230
< 1.942E+01, $ Matl 2: G = In-plane shear modulus
---
> 1.942E+06, $ Matl 2: G = In-plane shear modulus
2233c2233
< 5.050E+01, $ Matl 2: E2 =Modulus normal to fibers (normal to PHI1)
---
> 5.050E+06, $ Matl 2: E2 =Modulus normal to fibers (normal to PHI1)
2325,2330c2325,2330
< 5.050E+01, $Matl 2 : E1=modulus along fibers.      BEGIN I-7a rec.
< 5.050E+01, $Matl 2 : E2=modulus normal to fibers. I-7a rec.
< 5.050E+01, $Matl 2 : E3=modulus normal to fibers. I-7a rec.
< 1.942E+01, $Matl 2 :G12=in-plane shear modulus.   I-7a rec.
< 1.942E+01, $Matl 2 :G13=x-z shear modulus.       I-7a rec.
< 1.942E+01, $Matl 2 :G23=y-z shear modulus.       I-7a rec.
---
> 5.050E+06, $Matl 2 : E1=modulus along fibers.      BEGIN I-7a rec.
> 5.050E+06, $Matl 2 : E2=modulus normal to fibers. I-7a rec.
> 5.050E+06, $Matl 2 : E3=modulus normal to fibers. I-7a rec.
> 1.942E+06, $Matl 2 :G12=in-plane shear modulus.   I-7a rec.
> 1.942E+06, $Matl 2 :G13=x-z shear modulus.       I-7a rec.
> 1.942E+06, $Matl 2 :G23=y-z shear modulus.       I-7a rec.
2449c2449
< 8.009E-03 $ I-21c TL=layer thickness. Wall type: 4, Layer: 1
---
> 8.009E-02 $ I-21c TL=layer thickness. Wall type: 4, Layer: 1
2455c2455
< 6.006E-03 $ I-21c TL=layer thickness. Wall type: 5, Layer: 1
---
> 6.006E-02 $ I-21c TL=layer thickness. Wall type: 5, Layer: 1
2567c2567
< 8.009E-03, $ TL =layer thickness. Wall type: 4, Layer: 1
---
> 8.009E-02, $ TL =layer thickness. Wall type: 4, Layer: 1
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2578c2578

< 6.006E-03, \$ TL =layer thickness. Wall type: 5, Layer: 1

> 6.006E-02, \$ TL =layer thickness. Wall type: 5, Layer: 1

2804,2805c2804,2805

< 0.0 9.77930E+00 4.999183E+01 5.000000E+01 \$ m-2 X1,X4,Y1,Y2; stringer 1

< 0.000000E+00 0.000000E+00 4.999183E+01 \$ m-4a XGC1,YGC1,ZGC1 corner 1 of stringer web

> 0.0 9.77930E+00 4.914079E+01 5.000000E+01 \$ m-2 X1,X4,Y1,Y2; stringer 1

> 0.000000E+00 0.000000E+00 4.914079E+01 \$ m-4a XGC1,YGC1,ZGC1 corner 1 of stringer web

2817,2818c2817,2818

< 7.701489E-08 2 1 1 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row 1)

< -7.701489E-08 2 1 81 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row(81))

> 7.701489E+01 2 1 1 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row 1)

> -7.701489E+01 2 1 81 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row(81))

2878,2879c2878,2879

< 0.0 9.77930E+00 4.999183E+01 5.000000E+01 \$ m-2 X1,X4,Y1,Y2; stringer 3

< 0.000000E+00 4.932156E+00 4.974794E+01 \$ m-4a XGC1,YGC1,ZGC1 corner 1 of stringer web

> 0.0 9.77930E+00 4.914079E+01 5.000000E+01 \$ m-2 X1,X4,Y1,Y2; stringer 3

> 0.000000E+00 4.848193E+00 4.890105E+01 \$ m-4a XGC1,YGC1,ZGC1 corner 1 of stringer web

2891,2892c2891,2892

< 7.701489E-08 2 1 1 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row 1)

< -7.701489E-08 2 1 81 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row(81))

> 7.701489E+01 2 1 1 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row 1)

> -7.701489E+01 2 1 81 0 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Nx, row(81))

2915c2915

< 4.999183E+01 5.000000E+01 0.000000E+00 5.661969E+00 \$ m-2 X1,X4,Y1,Y2; annulus, ring no. 1

> 4.914079E+01 5.000000E+01 0.000000E+00 5.661969E+00 \$ m-2 X1,X4,Y1,Y2; annulus, ring no. 1

2927,2928c2927,2928

< -1.448589E-08 3 2 0 1 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col 1)

< 1.448589E-08 3 2 0 81 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col(81))

> -1.448589E+01 3 2 0 1 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col 1)

> 1.448589E+01 3 2 0 81 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col(81))

2951c2951

< 4.999183E+01 5.000000E+01 0.000000E+00 5.661969E+00 \$ m-2 X1,X4,Y1,Y2; annulus, ring no. 2

> 4.914079E+01 5.000000E+01 0.000000E+00 5.661969E+00 \$ m-2 X1,X4,Y1,Y2; annulus, ring no. 2

2963,2964c2963,2964

< -1.448589E-08 3 2 0 1 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col 1)

< 1.448589E-08 3 2 0 81 0 0 \$ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col(81))

```
> -1.448589E+01 3 2 0 1 0 0 $ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col 1)
> 1.448589E+01 3 2 0 81 0 0 $ q-3 P,LT,LD,LI,LJ,LAX,NX (Ny, col( 81))
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