



BISAR 3.0 - Block Report

KR5 sr s2

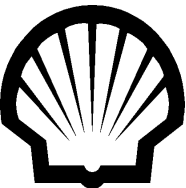
System 1: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	1	0.000E+00	0.000E+00	0.000E+00	-1.170E+00	-1.170E+00	-7.000E-01	-5.914E+01	-5.914E+01	2.036E-01	0.000E+00	0.000E+00	2.493E+02
2	1	0.000E+00	0.000E+00	1.000E-03	-1.159E+00	-1.159E+00	-7.000E-01	-5.837E+01	-5.837E+01	-4.560E-01	0.000E+00	0.000E+00	2.493E+02
3	1	0.000E+00	0.000E+00	2.000E-03	-1.148E+00	-1.148E+00	-7.000E-01	-5.760E+01	-5.760E+01	-1.112E+00	0.000E+00	0.000E+00	2.493E+02
4	1	0.000E+00	0.000E+00	3.000E-03	-1.136E+00	-1.136E+00	-6.999E-01	-5.683E+01	-5.683E+01	-1.764E+00	0.000E+00	0.000E+00	2.493E+02
5	1	0.000E+00	0.000E+00	4.000E-03	-1.125E+00	-1.125E+00	-6.998E-01	-5.607E+01	-5.607E+01	-2.411E+00	0.000E+00	0.000E+00	2.493E+02
6	1	0.000E+00	0.000E+00	5.000E-03	-1.114E+00	-1.114E+00	-6.997E-01	-5.531E+01	-5.531E+01	-3.055E+00	0.000E+00	0.000E+00	2.492E+02
7	1	0.000E+00	0.000E+00	6.000E-03	-1.103E+00	-1.103E+00	-6.996E-01	-5.455E+01	-5.455E+01	-3.694E+00	0.000E+00	0.000E+00	2.492E+02



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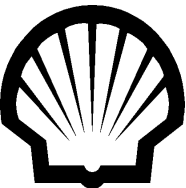
System 2: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	2	0.000E+00	0.000E+00	7.000E-02	-4.737E-01	-4.737E-01	-6.149E-01	-1.457E+01	-1.457E+01	-3.274E+01	0.000E+00	0.000E+00	2.479E+02
2	2	0.000E+00	0.000E+00	8.000E-02	-3.968E-01	-3.968E-01	-5.873E-01	-1.005E+01	-1.005E+01	-3.458E+01	0.000E+00	0.000E+00	2.476E+02
3	2	0.000E+00	0.000E+00	9.000E-02	-3.244E-01	-3.244E-01	-5.568E-01	-5.946E+00	-5.945E+00	-3.586E+01	0.000E+00	0.000E+00	2.473E+02
4	2	0.000E+00	0.000E+00	1.000E-01	-2.562E-01	-2.562E-01	-5.240E-01	-2.196E+00	-2.196E+00	-3.666E+01	0.000E+00	0.000E+00	2.469E+02
5	2	0.000E+00	0.000E+00	1.100E-01	-1.917E-01	-1.917E-01	-4.894E-01	1.253E+00	1.253E+00	-3.707E+01	0.000E+00	0.000E+00	2.465E+02
6	2	0.000E+00	0.000E+00	1.200E-01	-1.301E-01	-1.301E-01	-4.538E-01	4.459E+00	4.460E+00	-3.720E+01	0.000E+00	0.000E+00	2.461E+02
7	2	0.000E+00	0.000E+00	1.300E-01	-7.107E-02	-7.104E-02	-4.176E-01	7.478E+00	7.481E+00	-3.713E+01	0.000E+00	0.000E+00	2.458E+02
8	3	0.000E+00	0.000E+00	1.300E-01	-7.641E-02	-7.639E-02	-4.176E-01	7.478E+00	7.481E+00	-3.873E+01	0.000E+00	0.000E+00	2.458E+02



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System 3: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	3	0.000E+00	0.000E+00	1.400E-01	-2.475E-02	-2.469E-02	-3.814E-01	1.011E+01	1.012E+01	-3.818E+01	0.000E+00	0.000E+00	2.454E+02
2	3	0.000E+00	0.000E+00	1.500E-01	2.553E-02	2.553E-02	-3.455E-01	1.266E+01	1.266E+01	-3.758E+01	0.000E+00	0.000E+00	2.450E+02
3	3	0.000E+00	0.000E+00	1.600E-01	7.490E-02	7.487E-02	-3.103E-01	1.516E+01	1.515E+01	-3.700E+01	0.000E+00	0.000E+00	2.446E+02
4	3	0.000E+00	0.000E+00	1.700E-01	1.237E-01	1.237E-01	-2.760E-01	1.764E+01	1.764E+01	-3.648E+01	0.000E+00	0.000E+00	2.443E+02
5	3	0.000E+00	0.000E+00	1.800E-01	1.724E-01	1.724E-01	-2.431E-01	2.017E+01	2.017E+01	-3.610E+01	0.000E+00	0.000E+00	2.439E+02
6	3	0.000E+00	0.000E+00	1.900E-01	2.216E-01	2.216E-01	-2.116E-01	2.277E+01	2.277E+01	-3.590E+01	0.000E+00	0.000E+00	2.435E+02
7	3	0.000E+00	0.000E+00	2.000E-01	2.717E-01	2.717E-01	-1.819E-01	2.549E+01	2.549E+01	-3.593E+01	0.000E+00	0.000E+00	2.432E+02
8	3	0.000E+00	0.000E+00	2.100E-01	3.230E-01	3.230E-01	-1.543E-01	2.837E+01	2.837E+01	-3.625E+01	0.000E+00	0.000E+00	2.428E+02



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System 4: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	3	0.000E+00	0.000E+00	2.200E-01	3.760E-01	3.760E-01	-1.288E-01	3.144E+01	3.144E+01	-3.692E+01	0.000E+00	0.000E+00	2.425E+02
2	3	0.000E+00	0.000E+00	2.300E-01	4.313E-01	4.313E-01	-1.059E-01	3.476E+01	3.476E+01	-3.798E+01	0.000E+00	0.000E+00	2.421E+02
3	3	0.000E+00	0.000E+00	2.400E-01	4.893E-01	4.893E-01	-8.575E-02	3.836E+01	3.836E+01	-3.951E+01	0.000E+00	0.000E+00	2.417E+02
4	3	0.000E+00	0.000E+00	2.500E-01	5.505E-01	5.505E-01	-6.880E-02	4.229E+01	4.229E+01	-4.157E+01	0.000E+00	0.000E+00	2.413E+02
5	3	0.000E+00	0.000E+00	2.600E-01	6.155E-01	6.155E-01	-5.541E-02	4.661E+01	4.661E+01	-4.424E+01	0.000E+00	0.000E+00	2.409E+02
6	3	0.000E+00	0.000E+00	2.700E-01	6.849E-01	6.849E-01	-4.607E-02	5.138E+01	5.138E+01	-4.761E+01	0.000E+00	0.000E+00	2.404E+02
7	3	0.000E+00	0.000E+00	2.800E-01	7.595E-01	7.595E-01	-4.134E-02	5.667E+01	5.667E+01	-5.178E+01	0.000E+00	0.000E+00	2.399E+02
8	4	0.000E+00	0.000E+00	2.800E-01	1.467E-02	1.467E-02	-4.134E-02	5.667E+01	5.667E+01	-1.253E+02	0.000E+00	0.000E+00	2.399E+02



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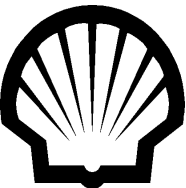
System 5: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	4	0.000E+00	0.000E+00	2.900E-01	1.488E-02	1.488E-02	-3.919E-02	5.543E+01	5.543E+01	-1.203E+02	0.000E+00	0.000E+00	2.387E+02
2	4	0.000E+00	0.000E+00	3.000E-01	1.514E-02	1.514E-02	-3.717E-02	5.437E+01	5.437E+01	-1.156E+02	0.000E+00	0.000E+00	2.375E+02
3	4	0.000E+00	0.000E+00	3.100E-01	1.545E-02	1.545E-02	-3.528E-02	5.349E+01	5.349E+01	-1.114E+02	0.000E+00	0.000E+00	2.364E+02
4	4	0.000E+00	0.000E+00	3.200E-01	1.581E-02	1.581E-02	-3.351E-02	5.279E+01	5.279E+01	-1.075E+02	0.000E+00	0.000E+00	2.353E+02
5	4	0.000E+00	0.000E+00	3.300E-01	1.621E-02	1.621E-02	-3.184E-02	5.226E+01	5.226E+01	-1.039E+02	0.000E+00	0.000E+00	2.342E+02
6	4	0.000E+00	0.000E+00	3.400E-01	1.667E-02	1.667E-02	-3.028E-02	5.188E+01	5.188E+01	-1.007E+02	0.000E+00	0.000E+00	2.332E+02
7	4	0.000E+00	0.000E+00	3.500E-01	1.717E-02	1.717E-02	-2.882E-02	5.167E+01	5.167E+01	-9.780E+01	0.000E+00	0.000E+00	2.322E+02



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System 6: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	4	0.000E+00	0.000E+00	3.600E-01	1.773E-02	1.773E-02	-2.744E-02	5.160E+01	5.160E+01	-9.520E+01	0.000E+00	0.000E+00	2.312E+02
2	4	0.000E+00	0.000E+00	3.700E-01	1.833E-02	1.833E-02	-2.616E-02	5.170E+01	5.170E+01	-9.289E+01	0.000E+00	0.000E+00	2.303E+02
3	4	0.000E+00	0.000E+00	3.800E-01	1.898E-02	1.898E-02	-2.496E-02	5.194E+01	5.194E+01	-9.087E+01	0.000E+00	0.000E+00	2.294E+02
4	4	0.000E+00	0.000E+00	3.900E-01	1.969E-02	1.969E-02	-2.384E-02	5.233E+01	5.233E+01	-8.912E+01	0.000E+00	0.000E+00	2.285E+02
5	4	0.000E+00	0.000E+00	4.000E-01	2.045E-02	2.045E-02	-2.279E-02	5.288E+01	5.288E+01	-8.766E+01	0.000E+00	0.000E+00	2.276E+02
6	4	0.000E+00	0.000E+00	4.100E-01	2.127E-02	2.127E-02	-2.183E-02	5.359E+01	5.359E+01	-8.647E+01	0.000E+00	0.000E+00	2.267E+02
7	4	0.000E+00	0.000E+00	4.200E-01	2.214E-02	2.214E-02	-2.094E-02	5.446E+01	5.446E+01	-8.556E+01	0.000E+00	0.000E+00	2.259E+02
8	4	0.000E+00	0.000E+00	4.300E-01	2.308E-02	2.308E-02	-2.013E-02	5.549E+01	5.549E+01	-8.494E+01	0.000E+00	0.000E+00	2.250E+02



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System 7: (untitled)

Structure

Loads

Layer Number	Thickness (m)	Modulus of Elasticity (MPa)	Poisson's Ratio	Load Number	Vertical		Horizontal (Shear)		Radius (m)	X-Coord (m)	Y-Coord (m)	Shear Angle (Degrees)
					Load (kN)	Stress (MPa)	Load (kN)	Stress (MPa)				
1	0.050	1.030E+04	0.30	1	5.750E+01	7.000E-01	0.000E+00	0.000E+00	1.617E-01	0.000E+00	0.000E+00	0.000E+00
2	0.080	1.010E+04	0.30									
3	0.150	9.600E+03	0.30									
4	0.200	4.000E+02	0.30									
5		1.000E+02	0.35									

Position Number	Layer Number	X-Coord (m)	Y-Coord (m)	Depth (m)	Stresses			Strains			Displacements		
					XX (MPa)	YY (MPa)	ZZ (MPa)	XX μ strain	YY μ strain	ZZ μ strain	UX (μ m)	UY (μ m)	UZ (μ m)
1	4	0.000E+00	0.000E+00	4.400E-01	2.409E-02	2.409E-02	-1.939E-02	5.670E+01	5.670E+01	-8.462E+01	0.000E+00	0.000E+00	2.242E+02
2	4	0.000E+00	0.000E+00	4.500E-01	2.516E-02	2.516E-02	-1.874E-02	5.809E+01	5.809E+01	-8.459E+01	0.000E+00	0.000E+00	2.233E+02
3	4	0.000E+00	0.000E+00	4.600E-01	2.631E-02	2.631E-02	-1.816E-02	5.967E+01	5.967E+01	-8.488E+01	0.000E+00	0.000E+00	2.225E+02
4	4	0.000E+00	0.000E+00	4.700E-01	2.755E-02	2.755E-02	-1.767E-02	6.146E+01	6.146E+01	-8.551E+01	0.000E+00	0.000E+00	2.216E+02
5	4	0.000E+00	0.000E+00	4.800E-01	2.886E-02	2.886E-02	-1.727E-02	6.347E+01	6.347E+01	-8.648E+01	0.000E+00	0.000E+00	2.208E+02
6	5	0.000E+00	0.000E+00	4.810E-01	4.589E-04	4.589E-04	-1.724E-02	6.332E+01	6.332E+01	-1.756E+02	0.000E+00	0.000E+00	2.206E+02
7	5	0.000E+00	0.000E+00	4.900E-01	4.223E-04	4.223E-04	-1.693E-02	6.198E+01	6.198E+01	-1.722E+02	0.000E+00	0.000E+00	2.190E+02
8	5	0.000E+00	0.000E+00	5.000E-01	3.848E-04	3.848E-04	-1.659E-02	6.057E+01	6.057E+01	-1.686E+02	0.000E+00	0.000E+00	2.173E+02