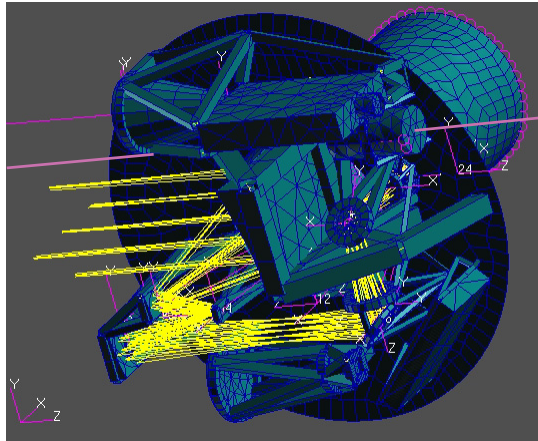


# Ivory/Nastran Suite Initial Model Static Stability



DISPLACEMENT VECTOR ( X GRAVITY )

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
2124	G	4.056844E-05	0.0	0.0	5.851008E-06	-1.103894E-06	0.0
3454	G	0.0	0.0	0.0	0.0	1.287777E-07	-1.336708E-07
10286	G	1.885340E-05	7.280877E-06	1.876988E-06	1.542009E-06	4.394471E-07	-5.254006E-06
21663	G	-5.920674E-01	-8.027378E-02	-3.915012E+00	-1.019276E-06	7.517657E-06	0.0
21665	G	0.0	0.0	0.0	-2.561285E-06	7.078210E-06	0.0
21666	G	0.0	0.0	0.0	4.308999E-06	-1.543341E-06	0.0
21667	G	0.0	0.0	0.0	6.870284E-06	-8.621551E-06	0.0

DISPLACEMENT VECTOR ( Y GRAVITY )

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
2124	G	-6.381926E-05	0.0	0.0	-3.775492E-06	3.562594E-06	0.0
3454	G	0.0	0.0	0.0	0.0	-6.629356E-10	-1.057327E-06
10286	G	1.194491E-05	3.208232E-05	1.210022E-06	-1.602568E-06	1.213423E-06	-8.743267E-06
21663	G	-3.727667E-02	-7.611592E-02	-3.129728E+01	-9.664819E-07	4.733131E-07	0.0
21665	G	0.0	0.0	0.0	6.360858E-07	-7.401100E-07	0.0
21666	G	0.0	0.0	0.0	-2.172924E-06	2.349171E-06	0.0
21667	G	0.0	0.0	0.0	-2.809010E-06	3.089281E-06	0.0

DISPLACEMENT VECTOR ( Z GRAVITY )

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
2124	G	-2.886976E-05	0.0	0.0	-3.036141E-06	6.944848E-06	0.0
3454	G	0.0	0.0	0.0	0.0	1.057485E-06	-4.698557E-10
10286	G	2.854246E-05	4.238918E-06	3.694515E-05	-3.561562E-07	1.500905E-05	-4.810248E-06
21663	G	-4.362355E-01	6.051603E-03	-1.010807E+01	7.684023E-08	5.539012E-06	0.0
21665	G	0.0	0.0	0.0	4.329965E-07	-9.470039E-06	0.0
21666	G	0.0	0.0	0.0	-2.679984E-06	-8.064203E-06	0.0
21667	G	0.0	0.0	0.0	-3.112981E-06	1.405836E-06	0.0

Point ID	Feature
(2123) 2124	Imager
3454	El Axis
10286	Gyroscope
21663	Laser Xmtr
21665	Laser-Gyro
21666	Imager-Gyro
21667	Imager-Laser

Gravity loading vector:

Tx Ty Tz

Net pointing errors (microradians):

Imager (2124)	5.9	5.2	7.5
Laser (21663)	7.6	0.5	5.5
Gyroscope (10286)	1.6	2.0	15.0

Net bore sight errors (microradians):

Laser minus Gyro (21665)	7.1	0.7	9.5
Imager minus Gyro (21666)	4.6	3.2	8.5
Imager minus Laser (21667)	11.0	4.2	3.4

**AEH.**

Optomechanics