

Base Climb/Turn

All figures are for the aircraft with 50% fuel, no weapons at Sea Level. As you add weight, fuel or weapons; your performance will decrease.

Climb Angle - This is the maximum angle you can pitch the aircraft up to without losing any speed. If you pitch up to a greater angle you will lose speed and stall. Angles lower than this and you will increase speed.

g Neg - This is the maximum Negative g the aircraft can achieve by pushing forward on the stick. NOTE: this is for sea level, at higher altitudes you may not be able to achieve this g.

Instantaneous Turn

Speed - This is the lowest speed your aircraft can pull it's maximum g. Its also the speed where your aircraft will turn it's fastest, so it is known as Corner Speed. This is the speed the Caret (>) on the Airspeed Tape on the HUD points to. This varies with Altitude, the higher you go the faster the speed. At this time, there are no aircraft in the world that can maintain this speed in a level turn. To maintain this airspeed most aircraft need to be in a descending spiral. Depending on the aircraft, the angle required to pitch down in the spiral can be from near horizontal to almost straight down.

g Max - This is the maximum g the aircraft can pull. You will need to be above the Instantaneous Speed to achieve it. NOTE: this is for sea level, at higher altitudes you may not be able to achieve this g.

DPS - This is rate of turn at the Instantaneous Turn Speed. This is how fast the Aircraft turns at it's Instantaneous Turn Speed at max g.

Sustained Turn

Speed - This is the speed your aircraft will slow down to. All aircraft slow to a speed below their Instantaneous Turn Speed. This is the speed that they can sustain in a level maximum performance turn. This speed is not only influenced by Altitude, but also the Aircraft's Weight. The closer the aircraft is to its max weight, the slower the speed, and the slower the rate of turn. NOTE: The values below are based on Sea Level, 50% Fuel, no weapons.

g - This is the reference g for the Sustained Turn Speed

DPS - This is rate of turn at the Sustained Turn Speed.

2 g Turn

DPS - This is rate of turn at 2 g's. This is how maneuverable the aircraft is at close to stall speeds

| Aircraft Name | Climb | g Neg | Instantaneous Turn | | | Sustained Turn | | | 2 g Turn |
|----------------------|-------|-------|--------------------|-------|------|----------------|-----|------|----------|
| | Angle | | Speed | g Max | DPS | Speed | g | DPS | DPS |
| \- 1 Skyraider | | -3 | 265 | 6 | 24.7 | 198 | 3.2 | 16.7 | 10.0 |
| \- 4E Skyhawk | 33 | -4 | 294 | 7 | 26.1 | 260 | 3.5 | 14.0 | 11.5 |
| \- 4SU Super Skyhawk | 43 | -4 | 294 | 7 | 26.1 | 273 | 3.9 | 15.0 | 12.3 |
| \- 5 Vigilante | | -2 | 403 | 5 | 19.0 | 383 | 4.4 | 12.2 | 8.9 |
| \- 6A Intruder | | -2 | 297 | 6 | 22.0 | 261 | 3.1 | 12.0 | 6.2 |
| \- 6E Intruder | 22 | -2 | 297 | 6 | 22.0 | 261 | 3.1 | 12.0 | 6.2 |
| \- 7A Corsair II | | -3 | 306 | 6 | 21.4 | 266 | 3.6 | 14.0 | 11.5 |
| \- 7E Corsair II | 28 | -3 | 306 | 6 | 21.4 | 273 | 3.7 | 14.0 | 11.5 |
| \-10 Thunderbolt | 10 | -3 | 276 | 7 | 27.8 | 256 | 5.0 | 20.9 | 11.0 |
| \-37 Dragonfly | | -3 | 297 | 6 | 22.0 | 238 | 3.3 | 14.4 | 11.8 |
| \C-130U Spectre | | -2 | 261 | 3 | 12.0 | 256 | 2.6 | 10.0 | 5.0 |
| \IDC Ching-Kuo | | -3 | 341 | 7 | 22.5 | 288 | 4.1 | 15.0 | 12.3 |
| \pha Jet | | -3 | 310 | 6 | 21.1 | 258 | 3.3 | 13.4 | 10.2 |
| \MX A-1 | | -3 | 310 | 6 | 21.1 | 258 | 3.3 | 13.4 | 10.2 |
| \atlantique 2 (AIR) | | -2 | 261 | 3 | 12.0 | 256 | 2.3 | 8.8 | 4.3 |
| \tlas/Denel Cheetah | | -4 | 322 | 7 | 23.8 | 265 | 3.5 | 13.7 | 9.9 |

| Aircraft Name | Climb Angle | g Neg | Instantaneous Turn | | | Sustained Turn | | | 2 g Turn DPS |
|-----------------------|-------------|-------|--------------------|-------|------|----------------|-----|------|--------------|
| | | | Speed | g Max | DPS | Speed | g | DPS | |
| Aurora Spy Plane | | -2 | 376 | 4 | 8.0 | 520 | 2.6 | 5.0 | 3.1 |
| Av-8B Harrier II | 65 | -4 | 335 | 7 | 22.9 | 285 | 3.8 | 14.0 | 10.5 |
| Av-8B Harrier II+ | 65 | -4 | 335 | 7 | 22.9 | 285 | 3.8 | 14.0 | 10.5 |
| Avro Arrow | 50 | -2 | 301 | 5 | 18.0 | 296 | 2.9 | 10.0 | 5.0 |
| B-1B Lancer | | -1 | 313 | 3 | 10.0 | 307 | 2.2 | 6.8 | 3.1 |
| B-2 Spirit | | -1 | 284 | 3 | 11.0 | 279 | 2.2 | 7.8 | 3.7 |
| B-52 Stratofortress | | -2 | 261 | 3 | 12.0 | 312 | 2.7 | 8.7 | 4.2 |
| BAe Buccaneer | | -4 | 372 | 7 | 20.6 | 291 | 2.9 | 10.2 | 7.7 |
| BAe Hawk | | -4 | 351 | 8 | 25.0 | 256 | 4.3 | 17.6 | 13.4 |
| BAe Lightning | 62 | -3 | 319 | 7 | 24.0 | 299 | 3.5 | 12.0 | 6.2 |
| BAe Strikemaster | | -3 | 365 | 7 | 21.0 | 253 | 3.4 | 14.0 | 7.4 |
| EA-6B Prowler | 26 | -3 | 303 | 6 | 21.6 | 256 | 2.8 | 11.0 | 7.4 |
| EuroFighter 2000 | 90 | -4 | 299 | 9 | 33.0 | 281 | 5.3 | 20.0 | 15.4 |
| F-4B Phantom II | | -4 | 403 | 7 | 19.0 | 383 | 4.4 | 12.2 | 8.9 |
| F-4C Phantom II | | -4 | 403 | 7 | 19.0 | 383 | 4.4 | 12.2 | 8.9 |
| F-4E (Desert) Phantom | 53 | -4 | 498 | 8 | 17.6 | 399 | 5.3 | 14.2 | 10.5 |
| F-4F+ ICE | 53 | -4 | 439 | 8 | 20.0 | 376 | 5.3 | 15.0 | 10.8 |
| F-4J Phantom | 53 | -4 | 462 | 8 | 19.0 | 386 | 5.1 | 14.2 | 10.5 |
| F-5A Tiger | 49 | -4 | 407 | 7 | 18.8 | 284 | 3.9 | 14.6 | 12.2 |
| F-5E (Desert) Tiger | 49 | -4 | 377 | 7 | 20.3 | 299 | 3.9 | 13.7 | 11.0 |
| F-5E (Snow) Tiger | 49 | -4 | 377 | 7 | 20.3 | 299 | 3.9 | 13.7 | 11.0 |
| F-8E Crusader | 44 | -4 | 328 | 6 | 19.9 | 291 | 3.9 | 14.0 | 7.4 |
| F-8J Crusader | | -4 | 336 | 6 | 19.5 | 282 | 3.5 | 13.0 | 6.8 |
| F-14A Tomcat | 49 | -4 | 355 | 7 | 21.6 | 301 | 4.5 | 16.0 | 7.2 |
| F-14D Tomcat | 56 | -4 | 339 | 7 | 22.6 | 308 | 4.8 | 16.4 | 7.2 |
| F-14E Tomcat 21 | 56 | -4 | 339 | 7 | 22.6 | 308 | 4.8 | 16.4 | 7.2 |
| F-15A Eagle | 90 | -4 | 396 | 9 | 25.0 | 340 | 5.1 | 15.9 | 8.7 |
| F-15C Eagle | 90 | -4 | 396 | 9 | 25.0 | 340 | 5.1 | 15.9 | 8.7 |
| F-15E Strike Eagle | 90 | -4 | 412 | 9 | 24.0 | 335 | 4.7 | 15.0 | 8.0 |
| F-15X Agile Eagle | 90 | -4 | 380 | 9 | 26.0 | 347 | 5.8 | 18.0 | 9.8 |
| F-16A Falcon | 88 | -4 | 417 | 9 | 23.7 | 320 | 5.8 | 19.4 | 13.2 |
| F-16C Falcon Blk 42 | 69 | -4 | 448 | 9 | 22.1 | 310 | 4.9 | 16.7 | 11.7 |
| F-16C Falcon Blk 52 | 90 | -4 | 448 | 9 | 22.1 | 330 | 5.5 | 17.7 | 12.4 |
| F-16C Falcon Blk 60 | 90 | -4 | 448 | 9 | 22.1 | 330 | 5.5 | 17.7 | 12.4 |
| F-16X VISTA/MATV | 90 | -4 | 381 | 9 | 26.0 | 340 | 5.7 | 18.0 | 12.4 |
| F-16XL Strike Falcon | 85 | -4 | 309 | 9 | 32.0 | 280 | 4.4 | 16.5 | 11.1 |

| Aircraft Name | Climb Angle | g Neg | Instantaneous Turn | | | Sustained Turn | | | 2 g Turn DPS |
|-------------------------|-------------|-------|--------------------|-------|------|----------------|-----|------|--------------|
| | | | Speed | g Max | DPS | Speed | g | DPS | |
| ~ 20A TigerShark | 90 | -4 | 395 | 9 | 25.0 | 342 | 5.6 | 17.4 | 11.0 |
| ~ 22A Raptor | 90 | -4 | 330 | 9 | 30.0 | 310 | 5.6 | 19.4 | 11.6 |
| ~ 22N Sea Raptor | | -4 | 330 | 9 | 30.0 | 310 | 5.2 | 18.0 | 10.8 |
| ~ 86F-40 Sabre | 37 | -4 | 327 | 6 | 20.0 | 290 | 4.1 | 14.9 | 12.2 |
| ~100D Super Sabre | 38 | -4 | 391 | 7 | 19.6 | 296 | 3.2 | 11.2 | 8.2 |
| ~101C VooDoo | 85 | -3 | 494 | 7 | 15.5 | 397 | 4.5 | 12.0 | 11.0 |
| ~102 Delta Dagger | 55 | -3 | 285 | 5 | 19.0 | 233 | 2.4 | 10.2 | 5.1 |
| ~104C Starfighter | 85 | -3 | 494 | 7 | 15.5 | 397 | 4.5 | 12.0 | 11.0 |
| ~104S Super Starfighter | 85 | -3 | 470 | 7 | 16.3 | 397 | 4.7 | 12.5 | 11.0 |
| ~105D ThunderChief | 35 | -4 | 513 | 8 | 17.1 | 410 | 3.9 | 10.0 | 5.0 |
| ~106A Delta Dart | 55 | -4 | 330 | 7 | 23.2 | 279 | 3.0 | 11.2 | 6.8 |
| ~111B Aardvark | 34 | -2 | 451 | 7 | 17.0 | 395 | 4.6 | 12.4 | 6.4 |
| ~111F Aardvark | | -2 | 479 | 7 | 16.0 | 420 | 4.5 | 11.4 | 5.8 |
| ~117A Nighthawk | | -3 | 346 | 6 | 18.9 | 277 | 2.7 | 9.9 | 5.5 |
| ~A-18C Hornet | 90 | -4 | 307 | 7 | 25.0 | 285 | 4.8 | 17.9 | 13.4 |
| ~A-18C+ Hornet | 90 | -4 | 307 | 9 | 25.0 | 285 | 4.8 | 17.9 | 13.4 |
| ~A-18D Hornet | 90 | -4 | 307 | 7 | 25.0 | 285 | 4.8 | 17.9 | 13.4 |
| ~A-18E Super Hornet | 90 | -4 | 381 | 8 | 26.0 | 321 | 6.0 | 20.0 | 13.1 |
| ~A-18X HARV | 90 | -4 | 307 | 7 | 25.0 | 287 | 4.9 | 18.0 | 13.4 |
| ~awker Hunter F.6 | 37 | -4 | 418 | 6 | 21.0 | 304 | 4.0 | 14.0 | 11.5 |
| Al Kfir | | -4 | 322 | 7 | 23.8 | 265 | 3.5 | 13.7 | 9.9 |
| l ~7E AirGuard | 62 | -3 | 319 | 7 | 24.0 | 299 | 3.5 | 12.0 | 6.2 |
| l 35 Saab Draken | | -4 | 451 | 8 | 19.2 | 390 | 3.4 | 9.0 | 4.4 |
| l 37 Saab Viggen | | -4 | 333 | 7 | 23.0 | 277 | 3.5 | 13.0 | 9.7 |
| l AS-39 Saab Gripen | 75 | -4 | 319 | 9 | 31.0 | 282 | 5.3 | 20.0 | 15.2 |
| MD 450 Ouragan | 37 | -4 | 327 | 6 | 20.0 | 290 | 4.1 | 14.9 | 12.2 |
| ~iG-15bis Fagot B | 37 | -4 | 327 | 6 | 20.0 | 286 | 3.3 | 12.0 | 9.8 |
| ~iG-17 Fresco | 37 | -4 | 418 | 8 | 21.0 | 304 | 4.0 | 14.0 | 11.5 |
| ~iG-19 Farmer C | 44 | -4 | 399 | 8 | 22.0 | 324 | 4.3 | 14.0 | 11.5 |
| ~iG-21 Fishbed C | 44 | -4 | 319 | 7 | 24.0 | 299 | 3.5 | 12.0 | 6.2 |
| ~iG-21bis Fishbed L | 55 | -4 | 399 | 8 | 22.0 | 329 | 3.5 | 11.0 | 5.6 |
| ~iG-21bis93 Super | 55 | -4 | 399 | 6 | 22.0 | 329 | 3.5 | 11.0 | 5.6 |
| ~iG-23 Flogger-B | 68 | -4 | 494 | 9 | 20.0 | 410 | 3.9 | 10.0 | 5.0 |
| ~iG-23 Flogger-K | 77 | -4 | 494 | 9 | 20.0 | 410 | 3.9 | 10.0 | 5.0 |
| ~iG-25PD Foxbat-E | 50 | -2 | 301 | 5 | 18.0 | 296 | 2.9 | 10.0 | 5.0 |
| ~iG-27 Flogger-J | 40 | -4 | 426 | 7 | 18.0 | 385 | 3.0 | 8.0 | 4.8 |

| Aircraft Name | Climb Angle | g Neg | Instantaneous Turn | | | Sustained Turn | | | 2 g Turn DPS |
|-------------------------|-------------|-------|--------------------|-------|------|----------------|-----|------|--------------|
| | | | Speed | g Max | DPS | Speed | g | DPS | |
| Alig-29 Fulcrum-C | 90 | -4 | 440 | 10 | 25.0 | 345 | 5.6 | 17.4 | 14.0 |
| Alig-29 Fulcrum-C | 90 | -4 | 440 | 10 | 25.0 | 345 | 5.6 | 17.4 | 14.0 |
| Alig-31 Foxhound | 38 | -2 | 301 | 5 | 18.0 | 297 | 2.9 | 10.0 | 5.0 |
| Alig-33 Fulcrum E | 90 | -4 | 396 | 9 | 25.0 | 355 | 6.1 | 18.4 | 14.7 |
| Alig-39/1.42 | 90 | -4 | 330 | 9 | 30.0 | 296 | 5.4 | 19.4 | 15.0 |
| Alirage 3 | 44 | -4 | 428 | 7 | 17.9 | 245 | 2.8 | 11.8 | 8.9 |
| Alirage 3 (Desert) | 44 | -4 | 428 | 7 | 17.9 | 245 | 2.8 | 11.8 | 8.9 |
| Alirage 50 | | -4 | 322 | 7 | 23.8 | 228 | 3.0 | 13.7 | 8.9 |
| Alirage F1 | 49 | -3 | 393 | 7 | 19.5 | 297 | 3.9 | 13.9 | 7.3 |
| Alirage 2000 | 85 | -4 | 350 | 9 | 28.3 | 279 | 4.4 | 16.5 | 11.1 |
| Alirage 2000 (Desert) | 85 | -4 | 350 | 9 | 28.3 | 279 | 4.4 | 16.5 | 11.1 |
| Alirage 2000N | 85 | -4 | 350 | 9 | 28.3 | 279 | 4.4 | 16.5 | 11.1 |
| Alitsubishi F-1 | | -4 | 418 | 8 | 21.0 | 302 | 3.7 | 13.0 | 6.8 |
| Al-3C Orion (AIR) | | -2 | 261 | 3 | 12.0 | 256 | 2.3 | 9.0 | 4.4 |
| Al-5 Fantan | 38 | -4 | 426 | 8 | 20.6 | 292 | 3.7 | 13.3 | 7.0 |
| Alafale C | 90 | -4 | 319 | 9 | 31.0 | 285 | 5.2 | 19.5 | 15.1 |
| Alafale C (Desert) | 90 | -4 | 319 | 9 | 31.0 | 285 | 5.2 | 19.5 | 15.1 |
| Alafale M | 90 | -4 | 319 | 9 | 31.0 | 285 | 5.0 | 18.7 | 14.6 |
| Al-3A Viking | 22 | -2 | 297 | 6 | 22.0 | 261 | 3.1 | 12.0 | 6.2 |
| Alsea Harrier FRS.2 | 90 | -4 | 412 | 7 | 18.6 | 322 | 4.1 | 13.5 | 7.1 |
| AlEPECAT Jaguar | | -4 | 380 | 8 | 23.1 | 302 | 3.7 | 13.0 | 8.8 |
| Alu- 7BM Fitter A | 55 | -4 | 399 | 8 | 22.0 | 323 | 3.7 | 12.0 | 6.2 |
| Alu-22M4 Fitter K | 55 | -4 | 399 | 8 | 22.0 | 323 | 3.7 | 12.0 | 6.2 |
| Alu-24 Fencer-D | 52 | -3 | 409 | 6 | 16.0 | 350 | 3.1 | 9.0 | 4.4 |
| Alu-25 Frogfoot-A | 37 | -3 | 350 | 7 | 21.9 | 286 | 4.1 | 15.1 | 12.4 |
| Alu-27 Flanker-B | 90 | -4 | 471 | 9 | 21.0 | 400 | 5.6 | 15.0 | 14.0 |
| Alu-27 Flanker-B (Snow) | 90 | -4 | 471 | 9 | 21.0 | 400 | 5.6 | 15.0 | 14.0 |
| Alu-30 Strike Flanker | 90 | -4 | 471 | 9 | 21.0 | 400 | 5.6 | 15.0 | 14.0 |
| Alu-33 Flanker-D | 90 | -4 | 450 | 9 | 22.0 | 372 | 5.6 | 16.0 | 14.4 |
| Alu-34 Platypus | 90 | -4 | 457 | 8 | 19.2 | 303 | 3.8 | 13.0 | 10.7 |
| Alu-35 Super Flanker | 90 | -4 | 412 | 9 | 24.0 | 341 | 6.1 | 19.3 | 14.8 |
| Alu-35 Super Flanker | 90 | -4 | 412 | 9 | 24.0 | 341 | 6.1 | 19.3 | 14.8 |
| Alu-37 Super Flanker | 90 | -4 | 412 | 9 | 24.0 | 341 | 6.1 | 19.3 | 14.8 |
| Alu-39/S-37 Berkut | 90 | -4 | 412 | 9 | 24.0 | 406 | 6.8 | 18.0 | 14.5 |
| Aluper Etendard | 35 | -4 | 355 | 7 | 21.6 | 272 | 3.2 | 12.0 | 9.8 |
| Aluper Mystere B.2 | 37 | -4 | 418 | 6 | 21.0 | 304 | 4.0 | 14.0 | 11.5 |

| Aircraft Name | Climb | g Neg | Instantaneous Turn | | | Sustained Turn | | | 2 g Turn |
|------------------------|-------|-------|--------------------|-------|------|----------------|-----|------|----------|
| | Angle | | Speed | g Max | DPS | Speed | g | DPS | DPS |
| F-45 Goshawk | 54 | -4 | 351 | 8 | 25.0 | 256 | 4.3 | 17.6 | 13.4 |
| Tornado F3 | | -3 | 428 | 8 | 20.5 | 370 | 5.0 | 14.5 | 10.1 |
| Tornado IDS | | -3 | 475 | 8 | 18.5 | 420 | 5.1 | 13.0 | 7.8 |
| Fu- 26 Backfire-C | | -2 | 354 | 4 | 12.1 | 380 | 2.2 | 5.5 | 3.3 |
| Fu- 95 Bear-H | | -1 | 241 | 3 | 13.0 | 305 | 2.2 | 7.0 | 3.2 |
| Fu-160 Blackjack-A | 90 | -2 | 390 | 4 | 11.0 | 385 | 2.3 | 6.0 | 3.6 |
| F/-22 Osprey | | -1 | 269 | 4 | 15.9 | 222 | 2.3 | 10.1 | 7.3 |
| F/-29 FSW | | -4 | 412 | 9 | 24.0 | 406 | 6.8 | 18.0 | 14.5 |
| F/-31 EFM | | -4 | 381 | 9 | 26.0 | 300 | 4.8 | 17.0 | 15.3 |
| F/-31 EFM (Desert) | | -4 | 381 | 9 | 26.0 | 300 | 4.8 | 17.0 | 15.3 |
| F/-31 EFM (Forest) | | -4 | 381 | 9 | 26.0 | 300 | 4.8 | 17.0 | 15.3 |
| F/-31 EFM (Snow) | | -4 | 381 | 9 | 26.0 | 300 | 4.8 | 17.0 | 15.3 |
| F/-32 ASTOVL | | -4 | 366 | 9 | 27.0 | 306 | 5.2 | 18.0 | 14.8 |
| F/-32 ASTOVL (Desert) | | -4 | 366 | 9 | 27.0 | 306 | 5.2 | 18.0 | 14.8 |
| F/-32 ASTOVL (Forest) | | -4 | 366 | 9 | 27.0 | 306 | 5.2 | 18.0 | 14.8 |
| F/-32 ASTOVL (Snow) | | -4 | 366 | 9 | 27.0 | 306 | 5.2 | 18.0 | 14.8 |
| Fak- 38 Forger | 90 | -4 | 385 | 6 | 19.9 | 340 | 4.8 | 15.1 | 8.4 |
| Fak-141 Freestyle-A | 90 | -4 | 385 | 7 | 19.9 | 340 | 4.8 | 15.1 | 8.4 |
| Fak-43 Super Freestyle | 90 | -4 | 353 | 9 | 28.0 | 330 | 5.3 | 17.2 | 11.3 |