## Odds and ends: plane\_load\_attributes, argc, argv, camera\_t, pointer to pointer

Friday, September 17, 2010 8:56 AM

Vold Vec\_xform (mtx\_t m, vec\_t vl, vec\_t v2) ĺj int for (i=0; i<3; i++) v2[i]=vec\_dot (m[i],v1); BUG!! compiles & rums, (not a syntactic Sug) but slims of other calling Vec\_xform (m2, V4, V4) we have a semantic buy => code produes arong rusults (1046). Solution to bug left as an evenuse for the reder

Friday, September 17, 2010 9:09 AM

void plane\_init (FILE \* in, list\_t \* dijs, (11+ t + + mote, int attemps) object + obj; " init object djut\_mit(in, objs, monts); assert ((obj = (object-t \*) list\_get\_dota (objs))!= NUL) i 11 load attributes (in, obj), 11 load attributes (in, obj), plane - load - attributes (FILE × In, drat + & drj) Void plane load - attributes (FILE × In, drat + & drj) c, attrance [VAME\_LEN]; }phone\_imit count; 5 zpln; plane\_t char int ll aMoc ∉ init plane chjent (setting y pln→)

3

Friday, September 17, 2010 9:30 AM

Camera model

caneva info position saren dim (640 482) world du (86) have CODKIN to he stocal in an model obj read from moded. tet

Makefile 08JJ => pikal.o cover- 0 material.ol objert. 01 plane. 0 model. 0

Cavera. h # dupine CAM\_COOKIE 49495923 typeded struct canon type INf Cookie; chan name [NAME\_LEN];

Friday, September 17, 2010 9.41 AM

part and parte caner c Void carera\_init( FILE xin, comera\_t (xx comp int attrang) Il malloc conevant strict, vie menset () to zero of \* can = ( coneva\_t \*) mallor (size) ( coneva\_t)); muset ((void x) x can, Ø, sizer (canera-+1)); (\*Cam) -> Cookie = (Am\_ CookIE; dremferrie pouter careva loud - attrates (in, \* com); maú () x[3] int 2=3, 4=41 414 swap(2.9),'  $p(utf("x = lod, 7 = lod u", x_1q))$ void swap (int a, int 6) a 34

void swap (int a, int b)  
int tup = a;  

$$a = b;$$
  
 $b = tup;$   
int  $x = 3, y = 4;$   
swap ( $ax, ky$ );  
prodf(---)  
int swap (int ta, int tb)  
int swap (int ta, int tb)  
int fup = ta;  
 $ta = tb;$   
 $ta = tb;$   
 $ta = tup;$   
]