```
Main-CPP .
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Hinclude < 10strum> #include <fstrum> - for C++ file 1/0 provider std: if sturm: like cin sfd: of sman: We cout int main(int angc, char \* ongv (7) std: if steen model-its; (model inget file stream) stolis if street with-this (hits file) l'anvoire modil félenane 10 in mgvli7 (swar just a Segunu of rong divertion)
(vec.t's) model-y(.open(argv(17, std:: {{stream: in); I shoul chark for 'good' starte) model-ijs >> model; // model ruls itself ( form. operator >> ( model + & model) your model to shout has to have the operator ovulouler mode ys. close (); (pan 1+ forget to done file) 11 1.6449

11 get would to stl:: cot << model; put Hay 11 same for hit full vert funte. that while rect 11 open with file, then loop for fid do mot ian after contents 1 early die verker franch therein while (hits-ifs >> dir). good()) ? donlikea oh; = model. fivel\_dosert (pos, div. norm (), (object++) NULL, dist)/ has to poten vec-t if (dit > 0) } notably check for obj. != NAL std:: cerr << " Loc = " << dy), > qut lant - hit () << std:: end) I land write hits -if (. close()) ) // mair

modely, wall + also har lights list, camera Friday, October 22, 2010 - model t: - privite doth menteren: moths, drs 1145 std::(ittend operate->)(std::istrem), model(+& (hs) (td: (tim) mores for cir ser av gistren isa henrer (istream) wick (!s.eg()) { i) ((5>> foken). 700d()) { std::cin>> wodel; if (token == "material") ? 5 >> (mat = new materal\_t()); moteral + to material-t 1/ add mat to mate list (1) (token == "plane") { s>> (oh/= new plane\_t(token))/ plane t comparab object t x object list

" sphere") ?

verust of the

s/Iwhile redum s,

Friday, October 22, 2010 Mrs (It to Object)
9:44 AM (It to Object) modult: jud-dosest (vected pro, object\_t+ veet & div, shoult & lost but, doubled retdirt) olijs. reset () / V basic list iteration unile (dip. not-end!)) { of; = (djut + & dr.)s. get\_latu(); y ((dist = ohj > hits(poudur))<0) invoke polymorphi hots for plane t most have one sphere t " return (closest):

without one

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Spune a Orject-t un volume virtuelone