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// Script to fly a helicopter in Second Life
// author: unknown// Retrieved from Free SL Scripts on www.gendersguare.org/sl
key avatar;
float ROTATION RATE = 2.0;
                              // Rate of turning float FWD THRUST = 20;
                                                                            // Forward
thrust motor force
                                                                float BACK THRUST =
7;
     // Backup thrust
                                                                                     fl
oat VERTICAL THRUST = 7;
// Keep a running linear motor value for better response
vector linear motor = <0,0,0>;
default {     state entry() {
                          IISitTarget(<.4, 0.0, 0.4>, <0,0,0,1>);
IISetVehicleType(VEHICLE TYPE AIRPLANE);
    IISetVehicleFloatParam(VEHICLE ANGULAR DEFLECTION EFFICIENCY, 0.1);
IISetVehicleFloatParam(VEHICLE LINEAR DEFLECTION EFFICIENCY, 0.1);
    IISetVehicleFloatParam(VEHICLE ANGULAR DEFLECTION TIMESCALE, 100);
    IISetVehicleFloatParam(VEHICLE LINEAR DEFLECTION TIMESCALE, 100);
    IISetVehicleFloatParam(VEHICLE LINEAR MOTOR TIMESCALE, 0.2);
IISetVehicleFloatParam(VEHICLE LINEAR MOTOR DECAY TIMESCALE, 10);
    IISetVehicleFloatParam(VEHICLE ANGULAR MOTOR TIMESCALE, 0.2);
    IISetVehicleFloatParam(VEHICLE ANGULAR MOTOR DECAY TIMESCALE, 0.1);
    IISetVehicleVectorParam(VEHICLE LINEAR FRICTION TIMESCALE, <5,5,5>);
IISetVehicleVectorParam(VEHICLE ANGULAR FRICTION TIMESCALE, <10,10,10>);
    IISetVehicleFloatParam(VEHICLE BUOYANCY, 1.0);
    IISetVehicleFloatParam(VEHICLE VERTICAL ATTRACTION EFFICIENCY, 0.2);
IISetVehicleFloatParam(VEHICLE VERTICAL ATTRACTION TIMESCALE, 3.0);
    IISetVehicleFloatParam(VEHICLE BANKING EFFICIENCY, 1.0);
IISetVehicleFloatParam(VEHICLE BANKING MIX, 0.75);
    IISetVehicleFloatParam(VEHICLE BANKING TIMESCALE, 0.05);
    IISetCameraEyeOffset(<-7.0, 0.0, 3.0>);
                                            IISetSitText("Fly");
                                                                IISetCameraAtOffset(<0,</pre>
0, 1 > );
  touch start(integer num) {
                              IIWhisper(0, "Buy me! Right click and choose 'Buy' then take
me out of your inventory to fly!");
  changed(integer change) {
                              if (change & CHANGED LINK) {
                                                                   key agent =
IIAvatarOnSitTarget();
if (agent) {
         if (agent != IIGetOwner()) {
           // only the owner can use this vehicle
           IISay(0, "You aren't the owner of this vehicle. Please visit Zoe Airfield or contact
Ker Dawn to purchase one.");
           IIUnSit(agent);
           IIPushObject(agent, <0,0,10>, ZERO VECTOR, FALSE);
           llGiveInventory(agent, "Zoe Airfield");
         } else {
           // driver is entering the vehicle
           IISetStatus(STATUS PHYSICS, TRUE):
           IIRequestPermissions(agent, PERMISSION TRIGGER ANIMATION |
PERMISSION_TAKE_CONTROLS);
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}
      } else {
        // driver is getting up
        IISetStatus(STATUS PHYSICS, FALSE);
        IIReleaseControls();
      }
    }
  }
  run time permissions(integer perm) {
    if (perm) {
      IITakeControls(CONTROL FWD | CONTROL BACK | CONTROL RIGHT |
CONTROL LEFT | CONTROL ROT RIGHT | CONTROL ROT LEFT | CONTROL UP |
CONTROL DOWN, TRUE, FALSE);
    }
  }
  control(key id, integer level, integer edge) {
                                           if(level & (CONTROL LEFT)
CONTROL ROT LEFT)) {
IISetVehicleVectorParam(VEHICLE ANGULAR MOTOR DIRECTION,
<-ROTATION RATE,0,0>);
    } else if (edge & (CONTROL LEFT | CONTROL ROT LEFT)) {
      IISetVehicleVectorParam(VEHICLE ANGULAR MOTOR DIRECTION, <0,0,0>);
    if(level & (CONTROL RIGHT | CONTROL ROT RIGHT)) {
      IISetVehicleVectorParam(VEHICLE ANGULAR MOTOR DIRECTION,
<ROTATION RATE,0,0>);
    } else if (edge & (CONTROL RIGHT | CONTROL ROT RIGHT)) {
      IISetVehicleVectorParam(VEHICLE ANGULAR MOTOR DIRECTION, <0,0,0>);
    if(level & CONTROL FWD) {
                                   linear motor.x = FWD THRUST;
                                                                    } else if (edge &
CONTROL FWD) {
    linear motor.x = 0;
    if(level & CONTROL_BACK) {
      linear motor.x = -BACK THRUST;
    } else if (edge & CONTROL BACK) {
      linear motor.x = 0;
    }
    if(level & CONTROL UP) {
      linear motor.z = VERTICAL THRUST;
    } else if (edge & CONTROL UP) {
      linear_motor.z = 0;
    if(level & CONTROL DOWN) {
      linear_motor.z = -VERTICAL_THRUST;
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} else if (edge & CONTROL_DOWN) {
          linear_motor.z = 0;
}
IlSetVehicleVectorParam(VEHICLE_LINEAR_MOTOR_DIRECTION, linear_motor);
}
```