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## **Biokinematics**

I don't want to misspeak.

The humanoid starts out  
in a normal driving position.

The occupant wants  
to continue going along  
at the speed and the trajectory  
that he was going  
until he gets redirected  
somehow by the structures  
of the vehicle.

The ejection  
is certainly a process.  
It's not an instantaneous,  
you're all the way in  
and then you're all  
the way out.

There's no teleporation that we know of.

Moving in this up and out kind of scenario.

Once he separates  
from the vehicle,  
he's going to travel  
in a trajectory  
that's well defined.

The launch angle  
that he gets  
and the initial velocity  
and then the force  
— the acceleration  
due to gravity.

He's going to  
follow an arc.

He will  
follow a parabolic trajectory  
and it will be tangent  
to the path of travel  
of the vehicle.

The fact that he was  
able to observe  
the ejection certainly  
suggests that there was  
a launching going on.

There's a separation  
between the passenger  
and the vehicle.

The door was still  
there during that time.

There were  
dicing injuries, injuries  
consistent with glass,  
consistent with him leaving  
through the window portal.

Evidence of a likely  
partial ejection kind of  
phenomenon, injuries sort of  
immediately prior  
to the complete ejection.

Some attempts at respiration  
going on.

It doesn't appear  
that he actually expired  
inside the vehicle.

His heart was still pumping.

You would expect to see  
blood somewhere.

There's nothing that I would point to in a photograph and say,  
look, right there,  
that's his ribs, or something  
like that.

A body can certainly leave a deformation.

The place where I would expect to see  
the marks is going to be at the belt line.

He's not restrained.

He's up against the door.