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Forward Euler pseudo code
                                 Equivalent to...
Vec3 position = ...
                                        \vec{f}_i = function(p_i,...)
Vec3 velocity = ...
                                        \vec{a}_i = \vec{f}/m
void initState() {
                                        \vec{v}_{i+1} = \vec{v}_i + \vec{a}_i \cdot dt
   position = ...
   velocity = ...
                                        p_{i+1} = p_i + \vec{v}_i \cdot dt
}
void physicStep( float dt )
{
   Vec3 acceleration = compute force( position ) / mass;
   position += velocity * dt;
   velocity += acceleration * dt;
}
void main() {
  initState();
  while (1) do physicStep( 1.0 / FPS );
```

```
81
```













