

$$\begin{aligned} & \text{eq1} := \text{delay} = \sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2} - \frac{h}{\sin(\text{elevation})} - y \\ & \quad \cdot \cos(\text{elevation}) \\ \text{eq1} & := \text{delay} = \sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2} - \frac{h}{\sin(\text{elevation})} \\ & \quad - y \cos(\text{elevation}) \end{aligned} \quad (1)$$

$$\begin{aligned} & \text{eq2} := f_d = -v_ty \cdot \cos(\text{elevation}) - v_tz \cdot \sin(\text{elevation}) \\ & \quad + \frac{v_rx \cdot x + v_ry \cdot \left(y + \frac{h}{\tan(\text{elevation})}\right) - v_rz \cdot h}{\sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2}} \\ \text{eq2} & := f_d = -v_ty \cos(\text{elevation}) - v_tz \sin(\text{elevation}) \\ & \quad + \frac{v_rx x + v_ry \left(y + \frac{h}{\tan(\text{elevation})}\right) - v_rz h}{\sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2}} \end{aligned} \quad (2)$$

$$\begin{aligned} & \text{sys} := \{\text{eq1}, \text{eq2}\} \\ \text{sys} & := \left\{ \begin{aligned} \text{delay} &= \sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2} - \frac{h}{\sin(\text{elevation})} \\ &- y \cos(\text{elevation}), f_d = -v_ty \cos(\text{elevation}) - v_tz \sin(\text{elevation}) \\ &+ \frac{v_rx x + v_ry \left(y + \frac{h}{\tan(\text{elevation})}\right) - v_rz h}{\sqrt{x^2 + \left(y + \frac{h}{\tan(\text{elevation})}\right)^2 + h^2}} \end{aligned} \right\} \end{aligned} \quad (3)$$

> sol := solve(sys, {x, y}) :

> all_x := allvalues(sol[1]) :

> sol_x_1 := simplify(all_x[1])

$$\begin{aligned} \text{sol_x_1} & := x = \left((-\cos(\text{elevation})^2 v_ty + (-v_tz \sin(\text{elevation}) \right. \\ & \quad \left. - f_d) \cos(\text{elevation}) + v_ry) \right. \\ & \quad \left(-v_rx^2 (-4 \cos(\text{elevation})^3 \text{delay} h v_ty v_tz + (2 h \text{delay} (v_ty - v_tz) (v_ty + v_tz) \sin(\text{elevation}) \right. \\ & \quad \left. - v_ty - v_rz) h^2 - 4 \text{delay} f_d h v_tz + \text{delay}^2 (v_ty^2 - v_tz^2)) \right) \end{aligned}$$

$$\begin{aligned}
& \cos(\text{elevation})^2 + ((-2(v_{rz} + v_{tz})(v_{ry} - v_{ty})h^2 + 4\text{delay}f_d h v_{ty} \\
& + 2\text{delay}^2 v_{ty}v_{tz}) \sin(\text{elevation}) - 2h^2 f_d(v_{ry} - v_{ty}) - 2(-2v_{ty}v_{tz} \\
& + v_{rz}(v_{ry} - v_{ty})) \text{delay}h + 2f_d v_{ty} \text{delay}^2) \cos(\text{elevation}) \\
& + (2f_d(v_{rz} + v_{tz})h^2 + 2\text{delay}(f_d^2 - v_{rx}^2 - v_{ry}^2 + v_{rz}v_{tz} \\
& + v_{tz}^2)h + 2f_d \text{delay}^2 v_{tz}) \sin(\text{elevation}) + (f_d^2 + v_{rz}^2 + 2v_{rz}v_{tz} \\
& + v_{tz}^2)h^2 + 2f_d \text{delay}(v_{rz} + 2v_{tz})h + \text{delay}^2(f_d^2 - v_{rx}^2 - v_{ry}^2 \\
& + v_{tz}^2)) \sin(\text{elevation})^2)^{1/2} + v_{rx}^2(h(v_{ry} - v_{ty}) \cos(\text{elevation})^3 + (\\
& -h(v_{rz} + v_{tz}) \sin(\text{elevation}) - f_d h - \text{delay}v_{tz}) \cos(\text{elevation})^2 - (v_{ry} \\
& - v_{ty})(\text{delay} \sin(\text{elevation}) + h) \cos(\text{elevation}) + (\text{delay}f_d + v_{rz}h \\
& + h v_{tz}) \sin(\text{elevation}) + f_d h + \text{delay}v_{tz})) / (v_{rx} \sin(\text{elevation})((v_{ty}^2 \\
& - v_{tz}^2) \cos(\text{elevation})^4 + 2v_{ty}(v_{tz} \sin(\text{elevation}) + f_d) \cos(\text{elevation})^3 \\
& + (2f_d v_{tz} \sin(\text{elevation}) + f_d^2 - v_{rx}^2 - 2v_{ry}v_{ty} \\
& + v_{tz}^2) \cos(\text{elevation})^2 - 2v_{ry}(v_{tz} \sin(\text{elevation}) + f_d) \cos(\text{elevation}) \\
& + v_{rx}^2 + v_{ry}^2))
\end{aligned}$$

> with(CodeGeneration) :

> Python(sol_x_1)

```

cg = x == ((-math.cos(elevation) ** 2 * v_ty + (-v_tz * math.sin
(elevation) - f_d) * math.cos(elevation) + v_ry) * math.sqrt(-
v_rx ** 2 * (-4 * math.cos(elevation) ** 3 * delay * h * v_ty *
v_tz + (2 * h * delay * (v_ty - v_tz) * (v_ty + v_tz) * math.sin
(elevation) + (v_tz + v_ry - v_ty + v_rz) * (-v_tz + v_ry - v_ty
- v_rz) * h ** 2 - 4 * delay * f_d * h * v_tz + delay ** 2 *
(v_ty ** 2 - v_tz ** 2)) * math.cos(elevation) ** 2 + ((-2 *
(v_rz + v_tz) * (v_ry - v_ty) * h ** 2 + 4 * delay * f_d * h *
v_ty + 2 * delay ** 2 * v_ty * v_tz) * math.sin(elevation) - 2 *
h ** 2 * f_d * (v_ry - v_ty) - 2 * (-2 * v_ty * v_tz + v_rz *
(v_ry - v_ty)) * delay * h + 2 * f_d * v_ty * delay ** 2) *
math.cos(elevation) + (2 * f_d * (v_rz + v_tz) * h ** 2 + 2 *
delay * (f_d ** 2 - v_rx ** 2 - v_ry ** 2 + v_rz * v_tz + v_tz *
* 2) * h + 2 * f_d * delay ** 2 * v_tz) * math.sin(elevation) +
(f_d ** 2 + v_rz ** 2 + 2 * v_rz * v_tz + v_tz ** 2) * h ** 2 +
2 * f_d * delay * (v_rz + 2 * v_tz) * h + delay ** 2 * (f_d ** 2
- v_rx ** 2 - v_ry ** 2 + v_tz ** 2)) * math.sin(elevation) **
2) + v_rx ** 2 * (h * (v_ry - v_ty) * math.cos(elevation) ** 3 +
(-h * (v_rz + v_tz) * math.sin(elevation) - f_d * h - delay *
v_tz) * math.cos(elevation) ** 2 - (v_ry - v_ty) * (delay *
math.sin(elevation) + h) * math.cos(elevation) + (delay * f_d +
v_rz * h + h * v_tz) * math.sin(elevation) + f_d * h + delay *
v_tz)) / v_rx / math.sin(elevation) / ((v_ty ** 2 - v_tz ** 2) *
math.cos(elevation) ** 4 + 2 * v_ty * (v_tz * math.sin
(elevation) + f_d) * math.cos(elevation) ** 3 + (2 * f_d * v_tz
* math.sin(elevation) + f_d ** 2 - v_rx ** 2 - 2 * v_ry * v_ty +

```

```
v_tz ** 2) * math.cos(elevation) ** 2 - 2 * v_ry * (v_tz * math.
sin(elevation) + f_d) * math.cos(elevation) + v_rx ** 2 + v_ry *
* 2)
```

```
> sol_x_2 := simplify(all_x[2])
```

```
sol_x_2 := x = ((cos(elevation)2 v_ty + (v_tz sin(elevation) + f_d) cos(elevation)
- v_ry)
(-v_rx2 (-4 cos(elevation)3 delay h v_ty v_tz + (2 h delay (v_ty - v_tz) (v_ty + v_tz) sin(elev
- v_ty - v_rz) h2 - 4 delay f_d h v_tz + delay2 (v_ty2 - v_tz2))
cos(elevation)2 + ((-2 (v_rz + v_tz) (v_ry - v_ty) h2 + 4 delay f_d h v_ty
+ 2 delay2 v_ty v_tz) sin(elevation) - 2 h2 f_d (v_ry - v_ty) - 2 (-2 v_ty v_tz
+ v_rz (v_ry - v_ty)) delay h + 2 f_d v_ty delay2) cos(elevation)
+ (2 f_d (v_rz + v_tz) h2 + 2 delay (f_d2 - v_rx2 - v_ry2 + v_rz v_tz
+ v_tz2) h + 2 f_d delay2 v_tz) sin(elevation) + (f_d2 + v_rz2 + 2 v_rz v_tz
+ v_tz2) h2 + 2 f_d delay (v_rz + 2 v_tz) h + delay2 (f_d2 - v_rx2 - v_ry2
+ v_tz2)) sin(elevation)2)1/2 + v_rx2 (h (v_ry - v_ty) cos(elevation)3 + (
-h (v_rz + v_tz) sin(elevation) - f_d h - delay v_tz) cos(elevation)2 - (v_ry
- v_ty) (delay sin(elevation) + h) cos(elevation) + (delay f_d + v_rz h
+ h v_tz) sin(elevation) + f_d h + delay v_tz)) / (v_rx sin(elevation) ((v_ty2
- v_tz2) cos(elevation)4 + 2 v_ty (v_tz sin(elevation) + f_d) cos(elevation)3
+ (2 f_d v_tz sin(elevation) + f_d2 - v_rx2 - 2 v_ry v_ty
+ v_tz2) cos(elevation)2 - 2 v_ry (v_tz sin(elevation) + f_d) cos(elevation)
+ v_rx2 + v_ry2))
```

```
> Python(sol_x_2)
```

```
cg0 = x == ((math.cos(elevation) ** 2 * v_ty + (v_tz * math.sin
(elevation) + f_d) * math.cos(elevation) - v_ry) * math.sqrt(-
v_rx ** 2 * (-4 * math.cos(elevation) ** 3 * delay * h * v_ty *
v_tz + (2 * h * delay * (v_ty - v_tz) * (v_ty + v_tz) * math.sin
(elevation) + (v_tz + v_ry - v_ty + v_rz) * (-v_tz + v_ry - v_ty
- v_rz) * h ** 2 - 4 * delay * f_d * h * v_tz + delay ** 2 *
(v_ty ** 2 - v_tz ** 2)) * math.cos(elevation) ** 2 + ((-2 *
(v_rz + v_tz) * (v_ry - v_ty) * h ** 2 + 4 * delay * f_d * h *
v_ty + 2 * delay ** 2 * v_ty * v_tz) * math.sin(elevation) - 2 *
h ** 2 * f_d * (v_ry - v_ty) - 2 * (-2 * v_ty * v_tz + v_rz *
(v_ry - v_ty)) * delay * h + 2 * f_d * v_ty * delay ** 2) *
math.cos(elevation) + (2 * f_d * (v_rz + v_tz) * h ** 2 + 2 *
delay * (f_d ** 2 - v_rx ** 2 - v_ry ** 2 + v_rz * v_tz + v_tz *
* 2) * h + 2 * f_d * delay ** 2 * v_tz) * math.sin(elevation) +
(f_d ** 2 + v_rz ** 2 + 2 * v_rz * v_tz + v_tz ** 2) * h ** 2 +
```

```

2 * f_d * delay * (v_rz + 2 * v_tz) * h + delay ** 2 * (f_d ** 2
- v_rx ** 2 - v_ry ** 2 + v_tz ** 2)) * math.sin(elevation) ** 2
+ v_rx ** 2 * (h * (v_ry - v_ty) * math.cos(elevation) ** 3 +
(-h * (v_rz + v_tz) * math.sin(elevation) - f_d * h - delay *
v_tz) * math.cos(elevation) ** 2 - (v_ry - v_ty) * (delay *
math.sin(elevation) + h) * math.cos(elevation) + (delay * f_d +
v_rz * h + h * v_tz) * math.sin(elevation) + f_d * h + delay *
v_tz)) / v_rx / math.sin(elevation) / ((v_ty ** 2 - v_tz ** 2) *
math.cos(elevation) ** 4 + 2 * v_ty * (v_tz * math.sin
(elevation) + f_d) * math.cos(elevation) ** 3 + (2 * f_d * v_tz
* math.sin(elevation) + f_d ** 2 - v_rx ** 2 - 2 * v_ry * v_ty +
v_tz ** 2) * math.cos(elevation) ** 2 - 2 * v_ry * (v_tz * math.
sin(elevation) + f_d) * math.cos(elevation) + v_rx ** 2 + v_ry *
* 2)

```

```

> all_y := allvalues(sol[2]) :

```

```

> sol_y_1 := simplify(all_y[1])

```

```

sol_y_1 := y = (2 cos(elevation)4 delay v_ty v_tz + ((-delay v_ty2
+ delay v_tz2) sin(elevation) + h v_tz2 + (2 delay f_d + v_rz h) v_tz
+ h v_ty (v_ry - v_ty)) cos(elevation)3 + (((v_ry - 2 v_ty) h v_tz
- v_ty (2 delay f_d + v_rz h)) sin(elevation) - delay (v_ry + 2 v_ty) v_tz
+ h f_d (v_ry - 2 v_ty)) cos(elevation)2 + ((-delay v_tz2 - 2 f_d h v_tz
- f_d h v_rz - delay (f_d2 - v_rx2 - v_ry v_ty)) sin(elevation) - h v_tz2 + (
- 2 delay f_d - v_rz h) v_tz - h (f_d2 + v_ry2 - v_ry v_ty)) cos(elevation)
+ v_ry (delay f_d + v_rz h + h v_tz) sin(elevation) + f_d h v_ry
+ delay v_ry v_tz
- (-v_rx2 (-4 cos(elevation)3 delay h v_ty v_tz + (2 h delay (v_ty - v_tz) (v_ty + v_tz) sin(elevation)
+ 2 delay2 v_ty v_tz) sin(elevation) - 2 h2 f_d (v_ry - v_ty) - 2 (-2 v_ty v_tz
+ v_rz (v_ry - v_ty)) delay h + 2 f_d v_ty delay2) cos(elevation)
+ (2 f_d (v_rz + v_tz) h2 + 2 delay (f_d2 - v_rx2 - v_ry2 + v_rz v_tz
+ v_tz2) h + 2 f_d delay2 v_tz) sin(elevation) + (f_d2 + v_rz2 + 2 v_rz v_tz
+ v_tz2) h2 + 2 f_d delay (v_rz + 2 v_tz) h + delay2 (f_d2 - v_rx2 - v_ry2
+ v_tz2)) sin(elevation)2)1/2) / (sin(elevation) ((v_ty2
- v_tz2) cos(elevation)4 + 2 v_ty (v_tz sin(elevation) + f_d) cos(elevation)3
+ (2 f_d v_tz sin(elevation) + f_d2 - v_rx2 - 2 v_ry v_ty
+ v_tz2) cos(elevation)2 - 2 v_ry (v_tz sin(elevation) + f_d) cos(elevation)
+ v_rx2 + v_ry2))

```

> *Python(sol_y_1)*

```
cg1 = y == (2 * math.cos(elevation) ** 4 * delay * v_ty * v_tz +
((-delay * v_ty ** 2 + delay * v_tz ** 2) * math.sin(elevation)
+ h * v_tz ** 2 + (2 * delay * f_d + v_rz * h) * v_tz + h * v_ty
* (v_ry - v_ty)) * math.cos(elevation) ** 3 + (((v_ry - 2 *
v_ty) * h * v_tz - v_ty * (2 * delay * f_d + v_rz * h)) * math.
sin(elevation) - delay * (v_ry + 2 * v_ty) * v_tz + h * f_d *
(v_ry - 2 * v_ty)) * math.cos(elevation) ** 2 + ((-delay * v_tz
** 2 - 2 * f_d * h * v_tz - f_d * h * v_rz - delay * (f_d ** 2 -
v_rx ** 2 - v_ry * v_ty)) * math.sin(elevation) - h * v_tz ** 2
+ (-2 * delay * f_d - v_rz * h) * v_tz - h * (f_d ** 2 + v_ry **
2 - v_ry * v_ty)) * math.cos(elevation) + v_ry * (delay * f_d +
v_rz * h + h * v_tz) * math.sin(elevation) + f_d * h * v_ry +
delay * v_ry * v_tz - math.sqrt(-v_rx ** 2 * (-4 * math.cos
(elevation) ** 3 * delay * h * v_ty * v_tz + (2 * h * delay *
(v_ty - v_tz) * (v_ty + v_tz) * math.sin(elevation) + (v_tz +
v_ry - v_ty + v_rz) * (-v_tz + v_ry - v_ty - v_rz) * h ** 2 - 4
* delay * f_d * h * v_tz + delay ** 2 * (v_ty ** 2 - v_tz ** 2))
* math.cos(elevation) ** 2 + ((-2 * (v_rz + v_tz) * (v_ry -
v_ty) * h ** 2 + 4 * delay * f_d * h * v_ty + 2 * delay ** 2 *
v_ty * v_tz) * math.sin(elevation) - 2 * h ** 2 * f_d * (v_ry -
v_ty) - 2 * (-2 * v_ty * v_tz + v_rz * (v_ry - v_ty)) * delay *
h + 2 * f_d * v_ty * delay ** 2) * math.cos(elevation) + (2 *
f_d * (v_rz + v_tz) * h ** 2 + 2 * delay * (f_d ** 2 - v_rx ** 2
- v_ry ** 2 + v_rz * v_tz + v_tz ** 2) * h + 2 * f_d * delay **
2 * v_tz) * math.sin(elevation) + (f_d ** 2 + v_rz ** 2 + 2 *
v_rz * v_tz + v_tz ** 2) * h ** 2 + 2 * f_d * delay * (v_rz + 2
* v_tz) * h + delay ** 2 * (f_d ** 2 - v_rx ** 2 - v_ry ** 2 +
v_tz ** 2)) * math.sin(elevation) ** 2)) / math.sin(elevation) /
((v_ty ** 2 - v_tz ** 2) * math.cos(elevation) ** 4 + 2 * v_ty *
(v_tz * math.sin(elevation) + f_d) * math.cos(elevation) ** 3 +
(2 * f_d * v_tz * math.sin(elevation) + f_d ** 2 - v_rx ** 2 - 2
* v_ry * v_ty + v_tz ** 2) * math.cos(elevation) ** 2 - 2 * v_ry
* (v_tz * math.sin(elevation) + f_d) * math.cos(elevation) +
v_rx ** 2 + v_ry ** 2)
```

> *sol_y_2 := simplify(all_y[2])*

```
sol_y_2 := y = (2 cos(elevation)4 delay v_ty v_tz + ((-delay v_ty2
+ delay v_tz2) sin(elevation) + h v_tz2 + (2 delay f_d + v_rz h) v_tz
+ h v_ty (v_ry - v_ty)) cos(elevation)3 + (((v_ry - 2 v_ty) h v_tz
- v_ty (2 delay f_d + v_rz h)) sin(elevation) - delay (v_ry + 2 v_ty) v_tz
+ h f_d (v_ry - 2 v_ty)) cos(elevation)2 + ((-delay v_tz2 - 2 f_d h v_tz
- f_d h v_rz - delay (f_d2 - v_rx2 - v_ry v_ty)) sin(elevation) - h v_tz2 + (
-2 delay f_d - v_rz h) v_tz - h (f_d2 + v_ry2 - v_ry v_ty)) cos(elevation)
+ v_ry (delay f_d + v_rz h + h v_tz) sin(elevation) + f_d h v_ry
+ delay v_ry v_tz
+ (-v_rx2 (-4 cos(elevation)3 delay h v_ty v_tz + (2 h delay (v_ty - v_tz) (v_ty + v_tz) sin(elevation)
+ (2 h delay (v_ty - v_tz) (v_ty + v_tz) sin(elevation) + f_d) * math.cos(elevation) ** 3 +
(2 * f_d * v_tz * math.sin(elevation) + f_d ** 2 - v_rx ** 2 - 2
* v_ry * v_ty + v_tz ** 2) * math.cos(elevation) ** 2 - 2 * v_ry
* (v_tz * math.sin(elevation) + f_d) * math.cos(elevation) +
v_rx ** 2 + v_ry ** 2)
```

$$\begin{aligned}
& + 2 \text{ delay}^2 v_{ty} v_{tz}) \sin(\text{elevation}) - 2 h^2 f_d (v_{ry} - v_{ty}) - 2 (-2 v_{ty} v_{tz} \\
& + v_{rz} (v_{ry} - v_{ty})) \text{ delay} h + 2 f_d v_{ty} \text{ delay}^2) \cos(\text{elevation}) \\
& + (2 f_d (v_{rz} + v_{tz}) h^2 + 2 \text{ delay} (f_d^2 - v_{rx}^2 - v_{ry}^2 + v_{rz} v_{tz} \\
& + v_{tz}^2) h + 2 f_d \text{ delay}^2 v_{tz}) \sin(\text{elevation}) + (f_d^2 + v_{rz}^2 + 2 v_{rz} v_{tz} \\
& + v_{tz}^2) h^2 + 2 f_d \text{ delay} (v_{rz} + 2 v_{tz}) h + \text{delay}^2 (f_d^2 - v_{rx}^2 - v_{ry}^2 \\
& + v_{tz}^2)) \sin(\text{elevation})^2)^{1/2}) / (\sin(\text{elevation}) ((v_{ty}^2 \\
& - v_{tz}^2) \cos(\text{elevation})^4 + 2 v_{ty} (v_{tz} \sin(\text{elevation}) + f_d) \cos(\text{elevation})^3 \\
& + (2 f_d v_{tz} \sin(\text{elevation}) + f_d^2 - v_{rx}^2 - 2 v_{ry} v_{ty} \\
& + v_{tz}^2) \cos(\text{elevation})^2 - 2 v_{ry} (v_{tz} \sin(\text{elevation}) + f_d) \cos(\text{elevation}) \\
& + v_{rx}^2 + v_{ry}^2))
\end{aligned}$$

> Python(sol_y_2)

```

cg2 = y == (2 * math.cos(elevation) ** 4 * delay * v_ty * v_tz +
((-delay * v_ty ** 2 + delay * v_tz ** 2) * math.sin(elevation)
+ h * v_tz ** 2 + (2 * delay * f_d + v_rz * h) * v_tz + h * v_ty
* (v_ry - v_ty)) * math.cos(elevation) ** 3 + (((v_ry - 2 *
v_ty) * h * v_tz - v_ty * (2 * delay * f_d + v_rz * h)) * math.
sin(elevation) - delay * (v_ry + 2 * v_ty) * v_tz + h * f_d *
(v_ry - 2 * v_ty)) * math.cos(elevation) ** 2 + ((-delay * v_tz
** 2 - 2 * f_d * h * v_tz - f_d * h * v_rz - delay * (f_d ** 2 -
v_rx ** 2 - v_ry * v_ty)) * math.sin(elevation) - h * v_tz ** 2
+ (-2 * delay * f_d - v_rz * h) * v_tz - h * (f_d ** 2 + v_ry **
2 - v_ry * v_ty)) * math.cos(elevation) + v_ry * (delay * f_d +
v_rz * h + h * v_tz) * math.sin(elevation) + f_d * h * v_ry +
delay * v_ry * v_tz + math.sqrt(-v_rx ** 2 * (-4 * math.cos
(elevation) ** 3 * delay * h * v_ty * v_tz + (2 * h * delay *
(v_ty - v_tz) * (v_ty + v_tz) * math.sin(elevation) + (v_tz +
v_ry - v_ty + v_rz) * (-v_tz + v_ry - v_ty - v_rz) * h ** 2 - 4
* delay * f_d * h * v_tz + delay ** 2 * (v_ty ** 2 - v_tz ** 2))
* math.cos(elevation) ** 2 + ((-2 * (v_rz + v_tz) * (v_ry -
v_ty) * h ** 2 + 4 * delay * f_d * h * v_ty + 2 * delay ** 2 *
v_ty * v_tz) * math.sin(elevation) - 2 * h ** 2 * f_d * (v_ry -
v_ty) - 2 * (-2 * v_ty * v_tz + v_rz * (v_ry - v_ty)) * delay *
h + 2 * f_d * v_ty * delay ** 2) * math.cos(elevation) + (2 *
f_d * (v_rz + v_tz) * h ** 2 + 2 * delay * (f_d ** 2 - v_rx ** 2
- v_ry ** 2 + v_rz * v_tz + v_tz ** 2) * h + 2 * f_d * delay **
2 * v_tz) * math.sin(elevation) + (f_d ** 2 + v_rz ** 2 + 2 *
v_rz * v_tz + v_tz ** 2) * h ** 2 + 2 * f_d * delay * (v_rz + 2
* v_tz) * h + delay ** 2 * (f_d ** 2 - v_rx ** 2 - v_ry ** 2 +
v_tz ** 2)) * math.sin(elevation) ** 2)) / math.sin(elevation) /
((v_ty ** 2 - v_tz ** 2) * math.cos(elevation) ** 4 + 2 * v_ty *
(v_tz * math.sin(elevation) + f_d) * math.cos(elevation) ** 3 +
(2 * f_d * v_tz * math.sin(elevation) + f_d ** 2 - v_rx ** 2 - 2
* v_ry * v_ty + v_tz ** 2) * math.cos(elevation) ** 2 - 2 * v_ry
* (v_tz * math.sin(elevation) + f_d) * math.cos(elevation) +
v_rx ** 2 + v_ry ** 2)

```

>