(Debug) In[110]:=

```
comprimento = 753;
desnivelGeo = 32.5;
η[vazao_] := -.0039 vazao^2 + .985 vazao + 4.37;
hmt[vazao_] := -.0011 vazao^2 + .044 vazao + 58.39;
q = Solve[D[η[vazao], vazao] == 0, vazao];
hmtx = hmt[q[[1, 1, 2]]];
hf[vazao_] := 10.65 vazao^1.852 comprimento / (130^1.852 d^4.871)
a = Solve[hmtx == 32.5 + hf[q[[1, 1, 2]]], d];
a[[1, 1, 2]] 1000
```

(Debug) Out[118]=

```
3647.79
```