

# Deep learning in Hough Space - for Fast Tracking

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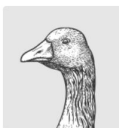
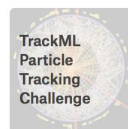


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# What is it and where can I begin?

- [Kernel Available on Kaggle](#)
- [Nice introduction to algorithm](#)
- [Code available in OpenCV](#)
- [Great Wikipedia Entry!](#)
- [Nice Demonstration in TF](#)



Mikhail Hushchyn and 1 collaborator

## Hough Transform

last run 5 days ago · Python notebook · 1002 views  
using data from [TrackML Particle Tracking Challenge](#) · Public

22

voters



Notebook

Code

Data (1)

Comments (4)

Log

Versions (2)

Forks (4)

Fork Notebook

### Notebook

## About

This notebook is a basic example for looking at individual events, creating a solution and submitting it. It walks through some of the library function for accessing the data and writing a submission file. This example uses the Hough transform to solve the tracking problem.

In [1]:

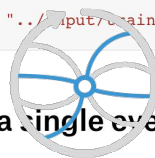
```
%matplotlib inline
import matplotlib.pyplot as plt
import numpy as np
import pandas as pd
import os

from trackml.dataset import load_event, load_dataset
from trackml.score import score_event
```

In [2]:

```
path_to_train = "../input/train_1"
```

Working on a single event



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