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SS

Updates on Assignment 2 and Quizzes

Siddharth Srivatsa · Teaching Staff · General Discussion (/learn/robotics-motion-planning/forum/9wkDvtBCEeW01g7o8S6alw/discussions) · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BlEeMfBWVQ) · Edited

Hi Future Robotists,
planning/profiles/a7c561c0a88809f29cfea9ed763bf8a2)

Great job on the first assignment! We really appreciate your efforts putting into this course so far and hopefully you are learning along the way.

We had a number of questions about assignment 2, and I would like to address some here:

1. In the DijkstraTor function, we are looping from 1-181 instead of 1-180 while building the configuration space. This is mainly for visualization, and we had not taken this into consideration when we calculated the route. We have now updated our grading scripts such that routes built using nodes 180 and 1 as neighbors as well as nodes 181 and 1 as neighbors will be considered as the right solution. So everyone who has not yet made a submission, please download the new zip file, and use those files for the submission.

2. The quizzes have been updated to indicate the questions you got correct/incorrect.

Thanks for all your inputs. We will continue to build on your feedback. Hope you guys are liking it, 3 more weeks to go!

4 Upvote · Follow 8 · Reply to Siddharth Srivatsa

Earliest (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BlEeMfBWVQ/replies/Zce7o9kfEeWrJhKRHXGQw?sort=createdAtAsc&page=1)

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Renaldo Masim · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BlEeMfBWVQ/replies/Zce7o9kfEeWrJhKRHXGQw)

Hi why did I receive

(/learn/robotics-motion-planning/profiles/e6738b90b750131d189d033d2d91e536)

Index exceeds matrix dimensions.

Error in TwoLinkCSpace (line 98)

h = plot (x(1), y(1), 'ro', 'MarkerSize', 10, 'MarkerFaceColor', 'red');

when running TwoLinkCSpace after completing the triangle intersection?

Thanks

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Siddharth Srivatsa · Teaching Staff · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BlEeMfBWVQ/replies/VOeYNNkhEeWOeA4jiPAy1w)

(/learn/robotics-motion-planning/profiles/a7c561c0a88809f29cfea9ed763bf8a2)

DijkstraTorus function does not return any path, the x and y variables will be empty, which the above line is trying to access. If you want to test, send a dummy route or just comment out that part of the code.

0 Upvote · Reply

Romain Jacotin · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BlEeMfBWVQ/replies/2tv3NtmoEeWaURkFEvOjQ)


(/learn/robotics-motion-planning/profiles/632ccdb0cb648a6f26cc7f5c2303199)

I just download the last "Assignment2.zip" file and while i previously have 11/15 on DijkstraTorus test, now i make 15/15, so yes i can confirm IT IS VERY IMPORTANT TO DOWNLOAD THE LATEST SCRIPT !!!.

Thank you to the staff for all efforts for this course.

0 Upvote · Hide 3 Replies


Help Center



Troy Woo · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDeEWA6BleMfBWVQ/replies/2tv3NtmoEeWaURKFEvfOjQ/comments/60eU89mrEeW17wrgkMLDIQ)

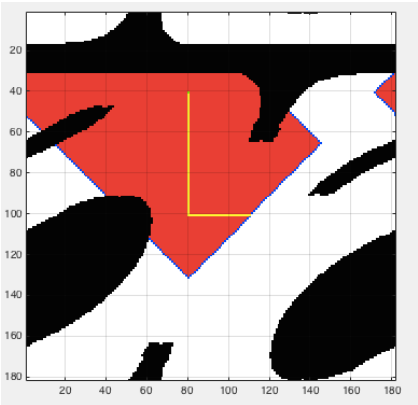
But did you solve the 1 pixel issue?

profiles/20c03a4a220dd653aae9056624fceeac)




Romain Jacotin · 2 days ago (/learn/robotics-motion-planning/discussions/B0NSv9kDeEWA6BleMfBWVQ/replies/2tv3NtmoEeWaURKFEvfOjQ/comments/cs41Ktm2EeWA6BleMfBWVQ)

Yes Troy, i solved my 1 shifting pixel issue : in fact the logical tests that i used to decide if i "update" or not a cell value to be "on list" was not correct for a very rare case (an "if" with multiple logical operators in my case). i totally rewrote the logic test and now it's ok.



PS: it is a shame for me to loose so much time on this DisktraTorus because it is really simpler than triangle_intersection... But we all learn by our mistakes : **Reinforcement learning** !;-)

▲ 2 Upvote



William · 3 hours ago (/learn/robotics-motion-planning/discussions/B0NSv9kDeEWA6BleMfBWVQ/replies/2tv3NtmoEeWaURKFEvfOjQ/comments/0HhEONrVeeWd6hLHl8FYwQ)

Hi Romain,

But you share some idea about the logic test for "update" testing, my DisktraTorus part still get 0. Thanks very much.


▲ 0 Upvote

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Reply

(/learn/robotics-motion-planning/profiles/f34069ce8df6de7dbcbfedfb7c760d9f)

Reply



ŞFAK ÇIRAG · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDeEWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ)


Thank you for the updates. But there is something wrong "My Submission" tab.

Old submissions are not loading and new submissions can't be uploaded.

profiles/ce82c888ed0a45c617c72dc12cc108fb)

There is a fixed message like "Loading...". We are waiting for urgent support

▲ 0 Upvote · Hide 6 Replies



ŞFAK ÇIRAG · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDeEWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/Q-eFqdoLEeWAKgo1CAiqoQ)

Screenshots:

profiles/ce82c888ed0a45c617c72dc12cc108fb)

Assignment: Configuration Space

Deadline

Pass this assignment by February 28, 11:59 PM PT

Instructions

My submission

+ Create submission

Your Submissions

Loading...

Deadline Pass this assignment by February 28, 11:59 PM PT

Instructions **My submission**

Upload Files and Submit

To upload a file, click the part below. Then, submit the files. You can submit as many times as you like. You do not need to upload all parts in order to submit.

Loading...

Gönder

Your Submissions

Loading...

▲ 0 Upvote



Romain Jacotin · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/unThcd0NEeWckg6uCoXYkQ)

(/learn/robotics-motion-planning/profiles/632ccdb0cb648a6f26cc7f5c2303199)

Hi Safak, before uploading any ".mat" files, i recommend the following steps:

1 - Open a terminal and delete files from previous submit tentative in "Assignment2" directory

```
$ cd Assignment2
$ rm *.mat
```

2 - Run submit script in Matlab and **WAIT** for it to terminate (= waiting for the ">>" prompt), because it could take a long time depending of the performance optimization of your code and computer.

```
>> submit
Evaluating...
>>
```

3 - Verify in your "Assignment2" directory that the two ".mat" files exist:

```
$ cd Assignment2
$ ls -la *.mat
-rw-r--r-- 1 romain staff 8087 22 fév 22:02 DijkstraTorus.mat
-rw-r--r-- 1 romain staff 8084 22 fév 22:02 Triangle.mat
```

4 - Then you can submit with your browser as usual ...

▲ 0 Upvote



ŞAFAK ÇİRAĞ · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/FuAh1doPEeWBhgpcuSiffw) · Edited

(/learn/robotics-motion-planning/profiles/ce82c888ed0a45c617c72dc12cc108fb)

Thank you for your recommendation. But I have no problem with running submit command. I have a problem with submitting mat files on browser. I guess it is a server-side issue and it is not possible to send new submissions before someone solves the problem. There are other students discussing the same issue :

https://www.coursera.org/learn/robotics-motion-planning/programming/BBYLi/configuration-space/discussions/psD459IVeEwX_Bi9PC2FcQ (https://www.coursera.org/learn/robotics-motion-planning/programming/BBYLi/configuration-space/discussions/psD459IVeEwX_Bi9PC2FcQ)

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Romain Jacotin · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/WibEM9oQEeWPWxKN5F2MAQ)

(/learn/robotics-motion-planning/profiles/632ccdb0cb648a6f26cc7f5c2303199)

When doing multiple successive submit with my browser i also encounter some strange behavior like :

- No user verify dialog box to confirm my identity

- different grading score with exactly the same files (sic ...)

When i was a little "younger" the recommendation was to reboot my Windows computer, but nowadays the recommendation is more to clean navigation cookies, and restart a clean Coursera browser session from scratch ;-)

▲ 0 Upvote



ŞAFAK ÇİRAĞ · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/OXGhqdoTEeWRUAq2sszqEw)

(/learn/robotics-motion-planning/profiles/ce82c888ed0a45c617c72dc12cc108fb)

I've tried multiple browsers with clean cache and same error message from server-side service:

oops, an error occurred

This exception has been logged with id **6p7p7j49j**.

By the way, I'm a "young" software developer with 12 years experience :)

▲ 0 Upvote



Romain Jacotin · a day ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/kyFDS9n6EeWAKgo1CAiqoQ/comments/MK1oe9oUEeWPWxKN5F2MAQ)

(/learn/robotics-motion-planning/profiles/632ccdb0cb648a6f26cc7f5c2303199)

Sorry Safak, just want to joke with the old days when you always need to reboot your Windows machine, don't want to offend you.

The best In your case is effectively to wait for some helps from the Technical Staff ...

▲ 0 Upvote

SD

Reply

(/learn/robotics-motion-planning/profiles/f34069ce8df6de7dbebfedfb7e760d9f)



Reply

GB Glenn Babecki · 20 hours ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/qvBUANpKEeWBhgpcuSiffw) ▼

Just checking if I'm reading this section of Assignment 2 incorrectly:
"P1, P2: a 3 by 2 array (each), describing the vertices of a triangle, the first row corresponds to the x coordinates while the second row corresponds to the y coordinates"

When I hear "3 by 2 array" I think 3 rows by 2 columns, yet the remainder of the statement says the first row are the x coordinates and the second row are the y coordinates. If the later part of the statement is true then shouldn't the first part read "2 by 3 array"?

▲ 0 Upvote · Hide 1 Reply

 Alex Alberto Perez San Elias · 16 hours ago (/learn/robotics-motion-planning/discussions/B0NSv9kDEeWA6BleMfBWVQ/replies/qvBUANpKEeWBhgpcuSiffw/comments/7ovyGdpsEeWRUAq2sszqEw) ▼
P1 defines a triangle this way:


	1	2	3
1	0	-0.5000	
2	5	-0.5000	
3	5	0.5000	
4			
5			
6			

So you can see that each of the 3 vertices (x, y) is defined per row.
Hope this helps!

▲ 0 Upvote

SD

Reply

(/learn/robotics-motion-planning/profiles/f34069ce8df6de7dbebfedfb7e760d9f)

Reply

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(/learn/robotics-motion-planning/profiles/f34069ce8df6de7dbebfedfb7e760d9f)

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