

# Quality Assurance Report

**Code\_\_name.m**

**Iteration - 1**

**Code Author:** Aravind

**Review requested by:** Aravind

**Reviewer:** Millen

**Date of review:** 25/05/2020

**Permanent Links:**

1. [https://github.com/bvcxz1/STADS/blob/6dc41416d61ecd0b7e860c8fb64128dd9f300e49/Feature\\_Extraction/Functions/merge\\_tag\\_3.m](https://github.com/bvcxz1/STADS/blob/6dc41416d61ecd0b7e860c8fb64128dd9f300e49/Feature_Extraction/Functions/merge_tag_3.m)

**QA suggestions:**

- The length of the star coordinates array is bounded to be under num\_tag, so it should be alloted memory appropriately
- The iterator variable in both loops should be renamed to appropriately prefixed iterator variables, like i\_find\_centroids.
- All arrays should have an **arr\_** prefix

**Implementation:**

```
arr_star_coordinates = zeros(num_tags, 2); %(k, 1)=pos_x  
(k,2)=pos_y
```

```
for i_first_loop=1:num_tag  
...  
end
```

```
arr_tot_sum_x = zeros(num_final_tags,1);  
arr_tot_sum_y = zeros(num_final_tags,1);  
arr_tot_weights = zeros(num_final_tags,1);  
arr_tot_pixels = zeros(num_final_tags,1);
```

**Post-QA Permanent Links:**

- 1.
- 2.
- 3.

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**Iteration - 2**

**Code Author:** Name of the author of the original code

**Review requested by:** Name of the person who is requesting the review *Eg:*  
*PQR*

**Reviewer:** Name of the allotted reviewer

**Date of review:** DD/MM/YYYY

**Permanent Links:**

- 1.
- 2.
- 3.

**QA suggestions:**

**Implementation:**

The changes implemented as suggested by the review points will be documented

*Eg:*1. All changes are implemented

**Post-QA Permanent Links:**

- 1.
- 2.
- 3.

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