

Rapport contrôle qualité de résultat issu de la solution NORM3D SCAN2BIM

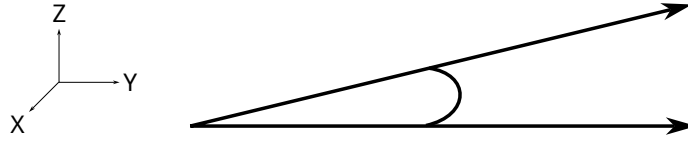
Date : 2024-04-17 21 :24 :58.464781

Summary

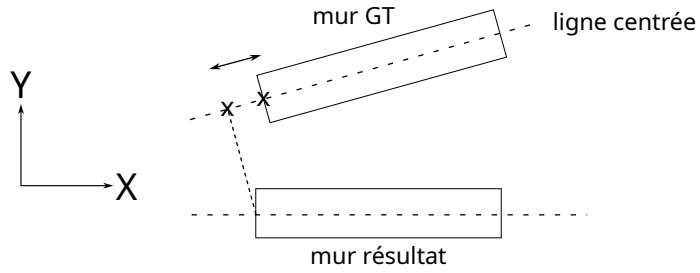
Type	Total	Valid	Missed	Misalignment
Walls	30	30 (100%)	0 (0%)	0 (0%)
Windows	25	25 (100%)	0 (0%)	0 (0%)
Doors	8	8 (100%)	0 (0%)	0 (0%)

Walls

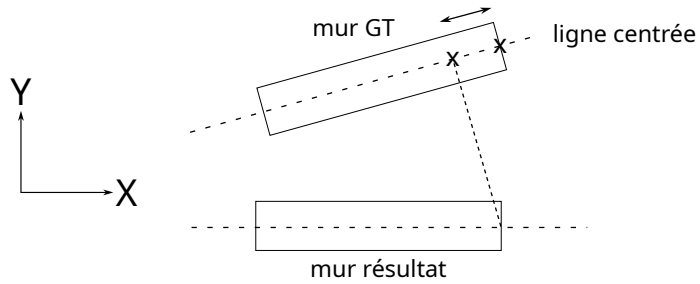
- `angle` : angle entre 2 directions de mur



- `dist_origin_centered` : distance entre le début de 2 murs après projection du mur résultat sur la ligne centrée du mur GT



- `dist_extremity_centered` : même approche de calcul que pour `dist_origin_centered` appliquée à la fin de 2 murs

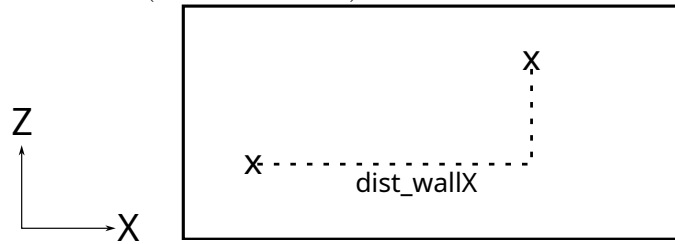


Metric	Min	Max	Average	Median	Variance	Std.
angle (°)	0.000130	0.016867	0.004056	0.003261	0.000014	0.003707
dist_origin_centered (m)	0.000000	0.001987	0.000439	0.000327	0.000000	0.000445
dist_extremity_centered (m)	0.000000	0.002022	0.000563	0.000387	0.000000	0.000589

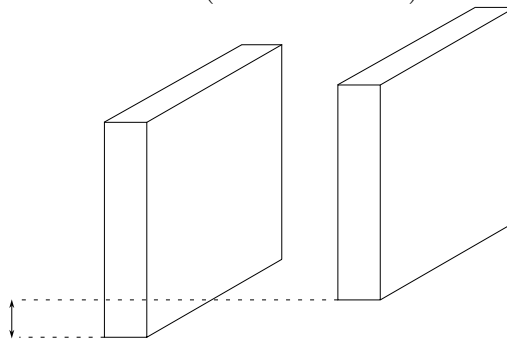
GT id	PROC id	angle (°)	dist_origin_centered (m)	dist_extremity_centered (m)
143733	9	0.004449	0.000387	0.000035
143734	8	0.002889	0.001987	0.001351
143735	0	0.005427	0.000029	0.000912
143736	7	0.007517	0.000350	0.001721
143785	3	0.016867	0.000851	0.001695
143872	14	0.002602	0.000765	0.001738
144452	2	0.000351	0.000336	0.000069
144725	1	0.002335	0.000016	0.000233
144779	6	0.013330	0.000473	0.000553
144871	12	0.004302	0.000791	0.000130
145301	5	0.000505	0.000049	0.001145
145302	11	0.004131	0.000033	0.000315
145303	13	0.001515	0.000519	0.000525
145553	4	0.000449	0.000204	0.000386
145624	10	0.005977	0.000250	0.000083
148550	18	0.000130	0.000847	0.002022
148651	26	0.006060	0.000430	0.000000
148698	16	0.004739	0.001365	0.000779
148770	17	0.004003	0.000409	0.000239
148832	20	0.000164	0.000317	0.000667
148921	26	0.006060	0.000000	0.000640
148989	23	0.002123	0.000273	0.000242
149126	24	0.003261	0.000255	0.000000
149198	15	0.000415	0.000599	0.000084
149269	21	0.007716	0.000262	0.000388
149587	25	0.001874	0.000197	0.000010
149656	24	0.003261	0.000000	0.000407
150086	22	0.001995	0.001091	0.000114
150151	19	0.001172	0.000072	0.000417
150247	26	0.006060	0.000000	0.000000

Windows

- `dist_wallX` : distance 2D entre les centroïdes des objets, dans le repère mur après projection élément résultat dans mur GT (Ground Truth)



- `dist_wallZ_basis` : distance 2D entre la base (le bas) des objets, dans le repère mur après projection élément résultat dans mur GT (Ground Truth)

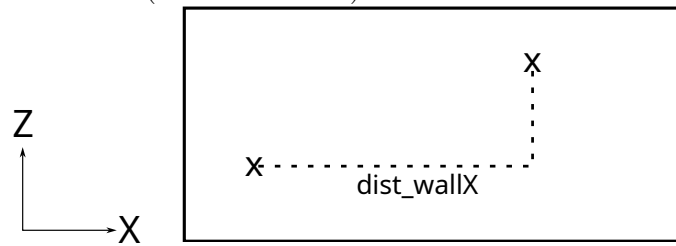


Metric	Min	Max	Average	Median	Variance	Std.
dist_wallX (m)	0.000631	0.004365	0.002201	0.001866	0.000001	0.000911
dist_wallZ_basis (m)	0.003416	0.008493	0.006252	0.008416	0.000006	0.002478

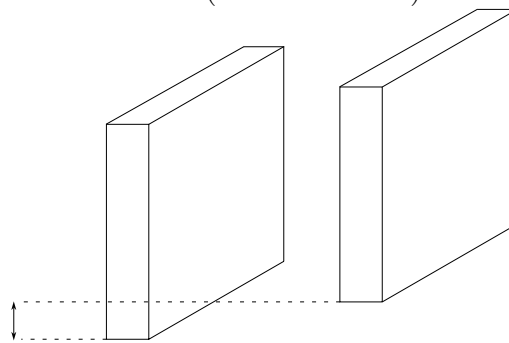
GT id	PROC id	dist_wallX (m)	dist_wallZ_basis (m)
151140	9/0	0.001803	0.008418
151261	9/1	0.001803	0.008418
151397	8/1	0.001409	0.008416
151515	8/0	0.003909	0.008416
151617	0/1	0.001518	0.008416
151729	0/2	0.002452	0.003416
151811	11/0	0.001739	0.003420
152083	0/0	0.000631	0.008418
152369	2/0	0.001656	0.003417
152491	2/1	0.001656	0.003417
152607	2/2	0.002329	0.003418
152799	4/0	0.000845	0.008417
152935	10/0	0.002341	0.008416
154018	18/0	0.002400	0.003492
154120	18/1	0.003227	0.008489
154226	18/2	0.003143	0.003491
154364	21/0	0.002403	0.008492
154478	15/0	0.002124	0.008493
154720	24/1	0.001058	0.008491
154936	24/0	0.001840	0.008491
155054	23/1	0.004365	0.003491
155176	23/0	0.001866	0.003491
155316	26/0	0.003083	0.003489
155494	17/0	0.001809	0.003489
155710	26/1	0.003620	0.008489

Doors

- `dist_wallX` : distance 2D entre les centroïdes des objets, dans le repère mur après projection élément résultat dans mur GT (Ground Truth)



- `dist_wallZ_basis` : distance 2D entre la base (le bas) des objets, dans le repère mur après projection élément résultat dans mur GT (Ground Truth)



Metric	Min	Max	Average	Median	Variance	Std.
dist_wallX (m)	0.000974	0.006822	0.002802	0.001961	0.000003	0.001789
dist_wallZ_basis (m)	0.004416	0.014492	0.005704	0.004456	0.000011	0.003322

GT id	PROC id	dist_wallX (m)	dist_wallZ_basis (m)
150305	9/1	0.001478	0.004416
150597	12/0	0.006822	0.004416
150716	9/0	0.003480	0.004422
150841	0/0	0.001765	0.004416
153087	26/0	0.000974	0.004490
153218	22/0	0.003973	0.014492
153393	25/0	0.002082	0.004490
153586	24/0	0.001840	0.004492