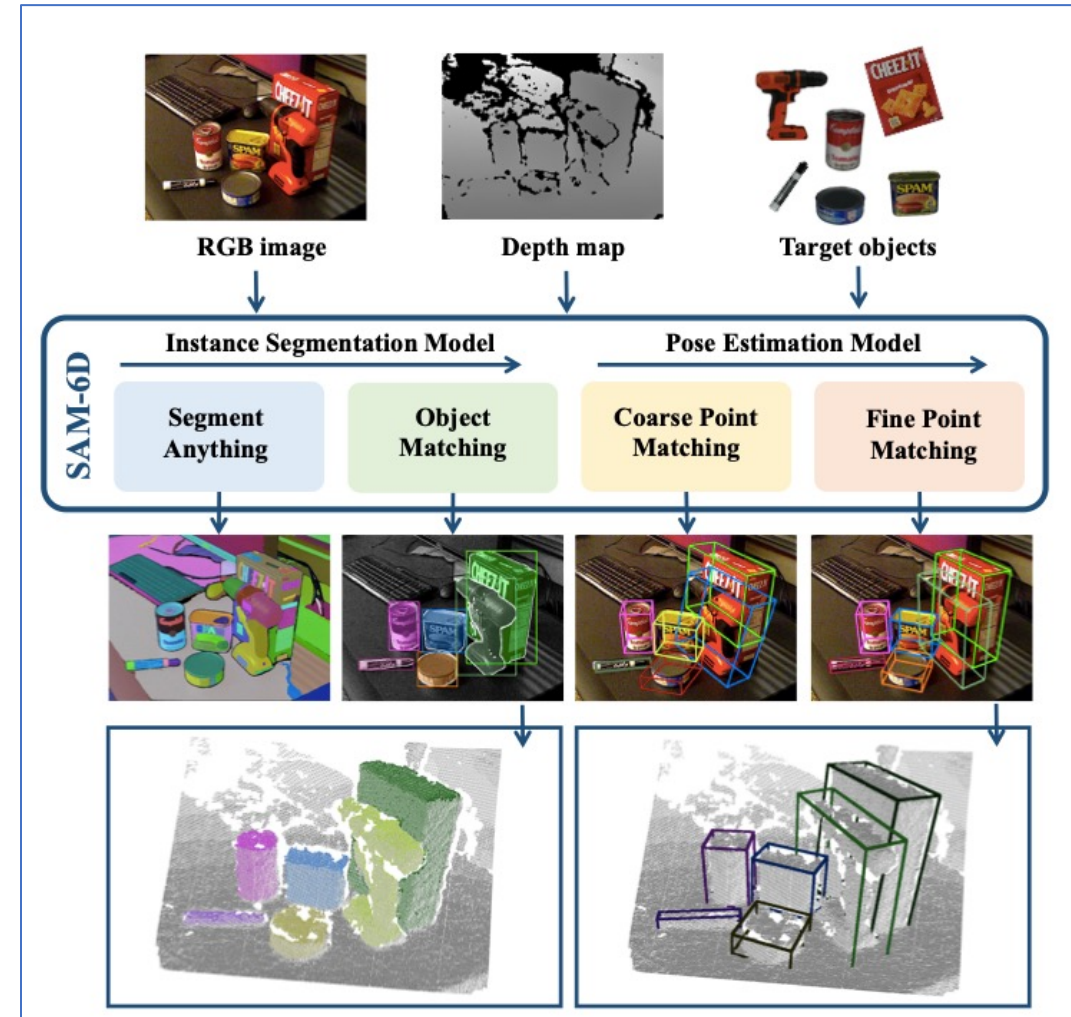


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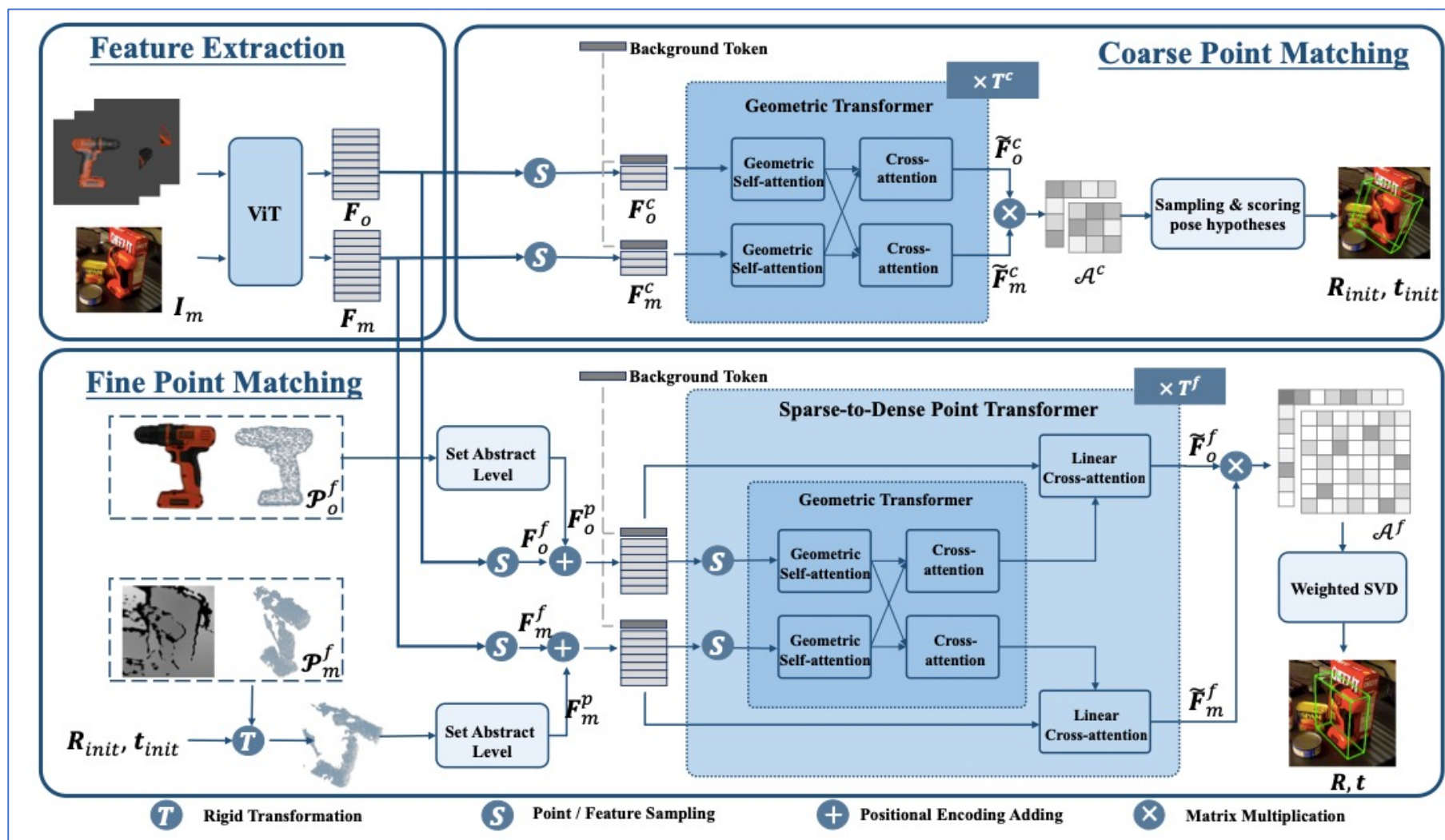
- New pipeline working SAM-6D
 - OOM
- BlenderProc
 - Synthetic Dataset
- Github Repository

MOT & Reconstruction

- New pipeline working SAM-6D



MOT & Reconstruction



MOT & Reconstruction

- New pipeline working SAM-6D
 - Demo works
 - GPU goes OOM with any other different cad model

MOT & Reconstruction

- New pipeline working SAM-6D
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```
# model
print("=> creating model ...")
MODEL = importlib.import_module(cfg.model_name)
model = MODEL.Net(cfg.model)
model = model.cuda()
model.eval()
checkpoint = os.path.join(os.path.dirname(os.path.abspath(__file__)), 'checkpoints', 'sam-6d-
gorilla.solver.load_checkpoint(model=model, filename=checkpoint)
```

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```
print("=> running model ...")
with torch.no_grad():
    input_data['dense_po'] = all_tem_pts.repeat(ninstance,1,1)
    input_data['dense_fo'] = all_tem_feat.repeat(ninstance,1,1)
    out = model(input_data)

if 'pred_pose_score' in out.keys():
    pose_scores = out['pred_pose_score'] * out['score']
else:
    pose_scores = out['score']
pose_scores = pose_scores.detach().cpu().numpy()
pred_rot = out['pred_R'].detach().cpu().numpy()
pred_trans = out['pred_t'].detach().cpu().numpy() * 1000
```

MOT & Reconstruction

- BlenderProc
 - Great tool to work with BOP challenge pipelines

MOT & Reconstruction

- BlenderProc
 - Great tool to work with BOP challenge pipelines
 - bop_challenge folder with code to generate synthetic scenes in BOP format
 - RGB, D, accurate cam_K, masks, GT poses

MOT & Reconstruction

- BlenderProc
 - Great tool to work with BOP challenge pipelines



MOT & Reconstruction

- BlenderProc



MOT & Reconstruction

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MOT & Reconstruction

March 2024							< Today >	
Mon	Tue	Wed	Thu	Fri	Sat	Sun		
26	27	28	29	1 Mar	2	3		
			Proclamation de la Républiqu...					
4	5	6	7	8	9	10		
	[Bachelor Thesis] O... 11:00 CET	Saint-Fridolin (SO)						
11	12	13	14	15	16	17		
	Compleanno Shana 00:05 [Bachelor Thesis] O... 11:00 CET							
18	19	20	21	22	23	24		
	Saint-Joseph Festa del Papà [Bachelor Thesis] O... 11:00 CET					Dimanche des Rameaux		
25	26	27	28	29	30	31		
	[Bachelor Thesis] O... 11:00 CET			Vendredi Saint Venerdi Santo		Pâques Heure d'été Pasqua		