

000 001 002 003 SUPPLEMENTARY MATERIAL 004 005 006 007

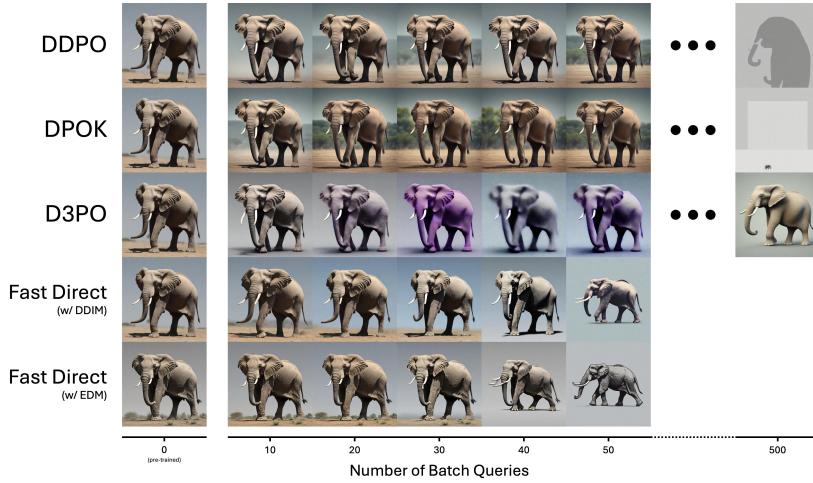
008 Anonymous authors 009 010 Paper under double-blind review 011 012

013 MORE GENERATED IMAGES BY FAST DIRECT FOR COMPRESSIBILITY, 014 INCOMPRESSIBILITY, AND AESTHETIC QUALITY 015

016 We present the images generated for compressibility, incompressibility, and aesthetic task.
017

018 From Fig. 1 to Fig. 16 we present the generated images using the 16 **unseen prompts** by each
019 algorithm in the compressibility task; from Fig. 17 to Fig. 32 we present for incompressibility task;
020 from Fig. 33 to Fig. 47 we present aesthetic task.
021

022 From Fig. 48 to Fig. 50 we present 32 randomly generated images by Fast Direct for compressibility,
023 incompressibility, and aesthetic task, respectively.
024



025
026
027
028
029
030
031
032
033
034
035
036
037
038 Figure 1: The generated images using the unseen prompt "elephant" in compressibility task, extra
039 batch queries budgets (until 500) are given to the baselines methods for demonstration.
040
041
042
043
044
045
046
047
048
049
050
051
052
053

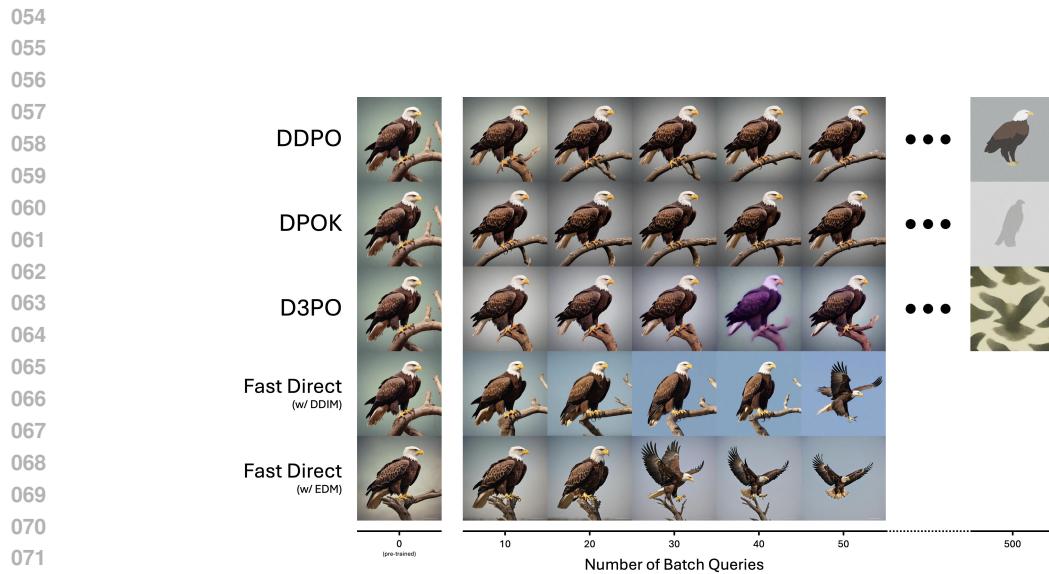


Figure 2: The generated images using the unseen prompt "eagle" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

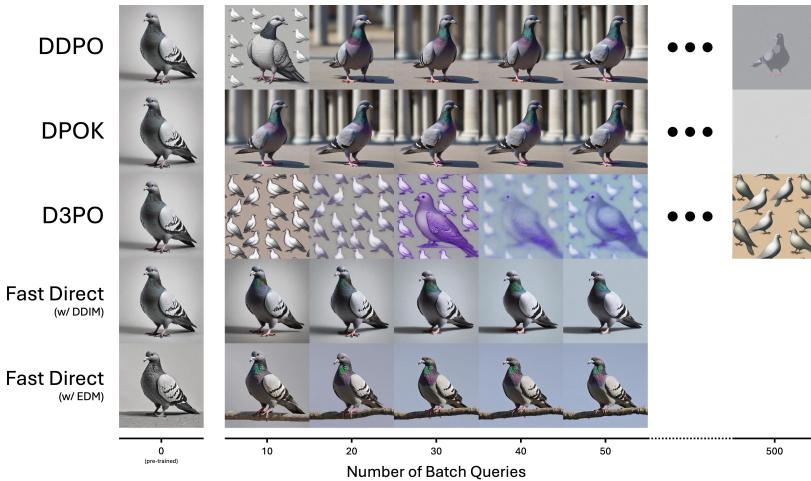


Figure 3: The generated images using the unseen prompt "pigeon" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

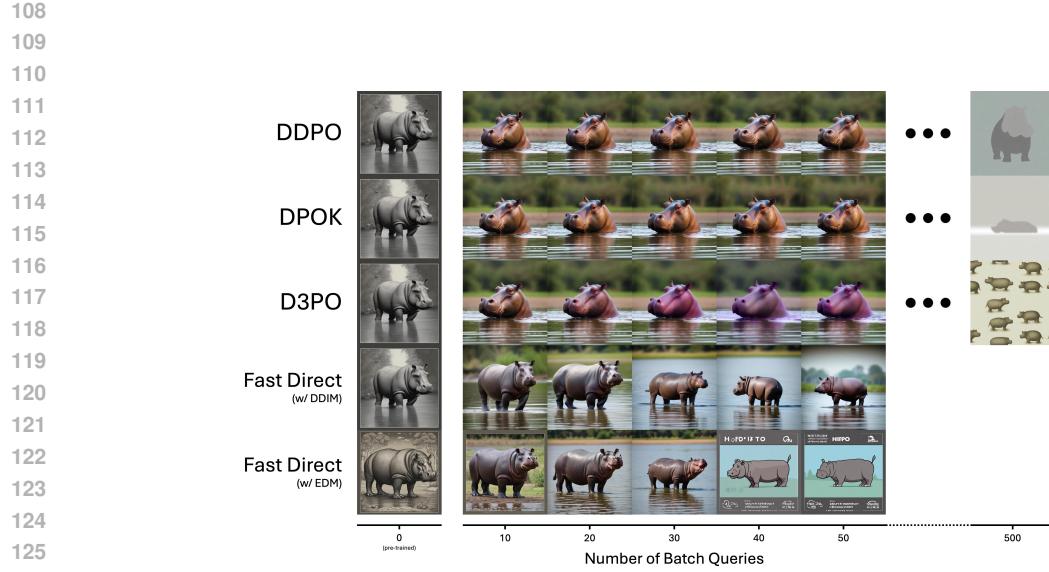


Figure 4: The generated images using the unseen prompt "hippo" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

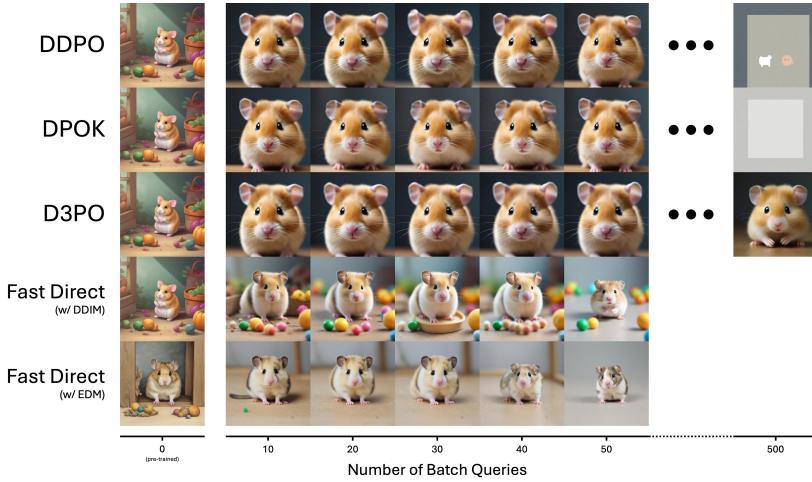
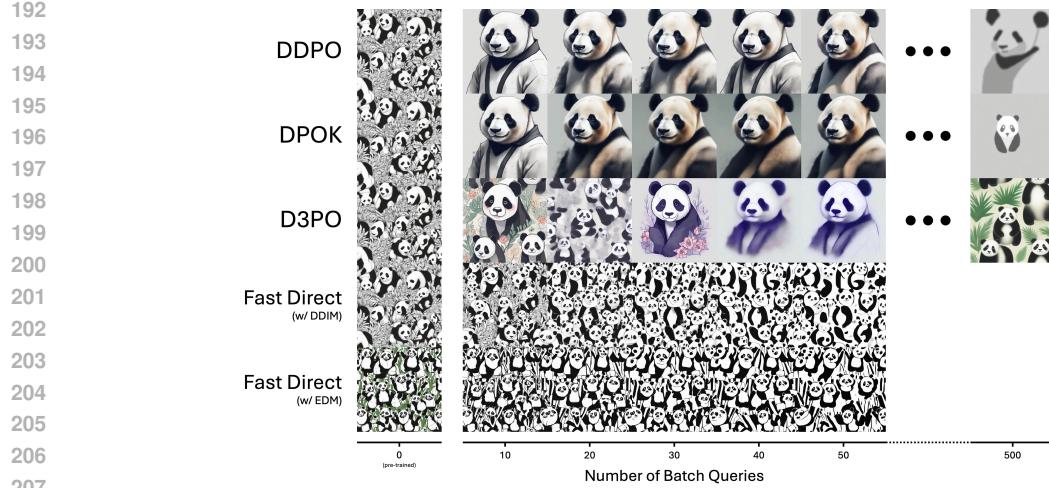
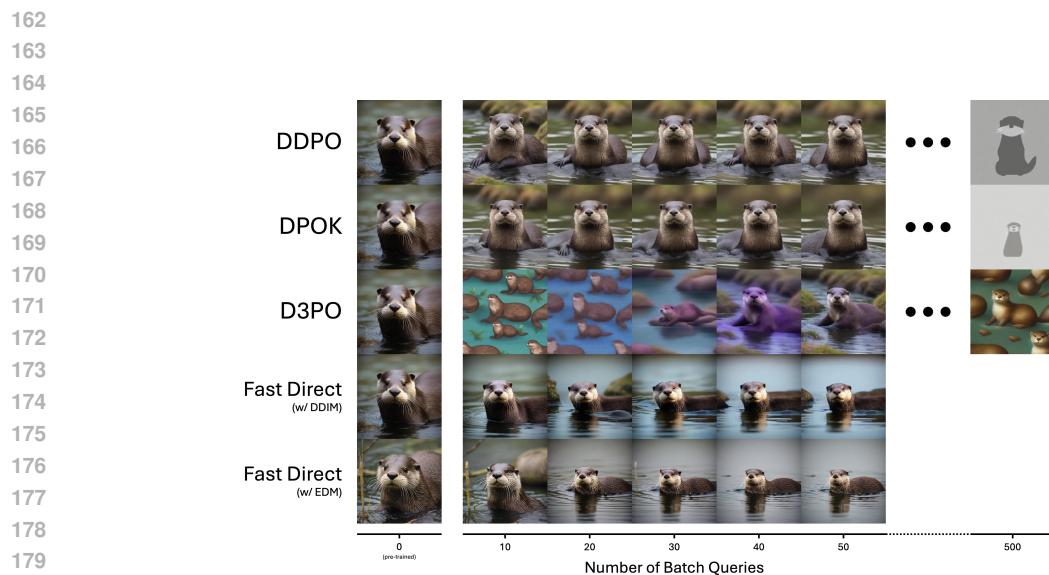


Figure 5: The generated images using the unseen prompt "hamster" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.



216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

Figure 8: The generated images using the unseen prompt "reindeer" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

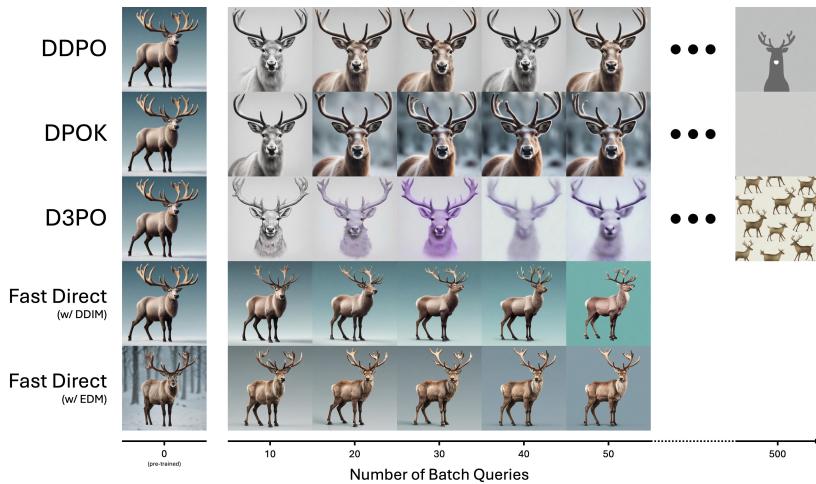


Figure 9: The generated images using the unseen prompt "owl" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

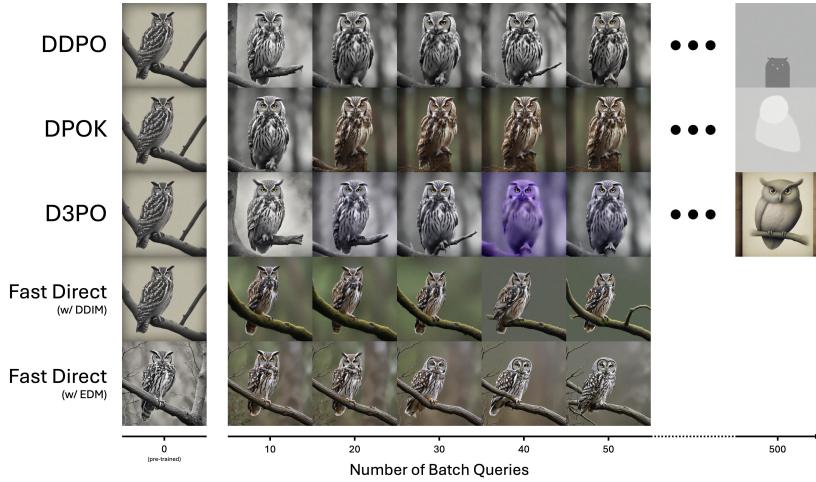
265

266

267

268

269



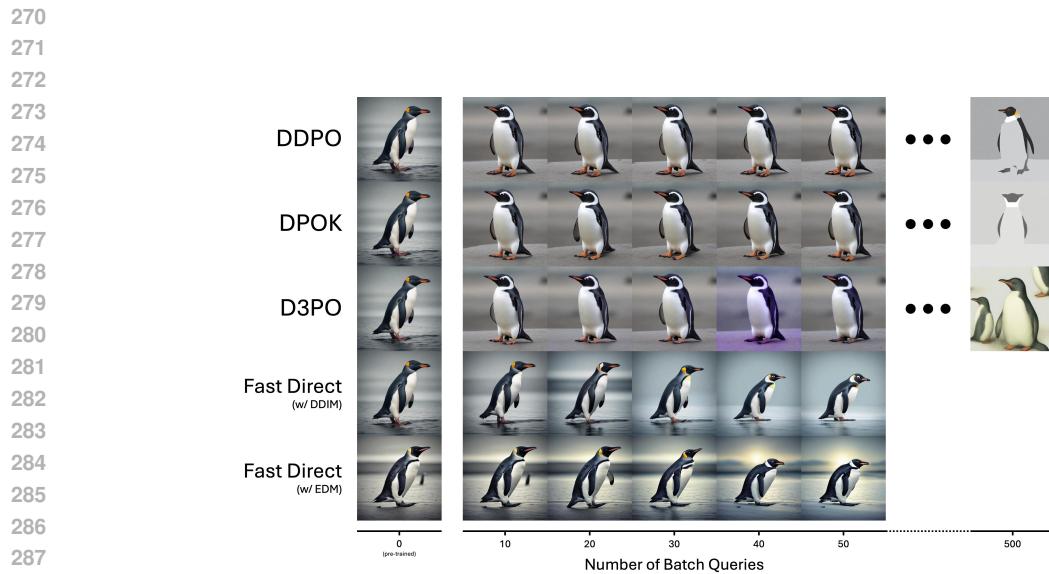


Figure 10: The generated images using the unseen prompt "penguin" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

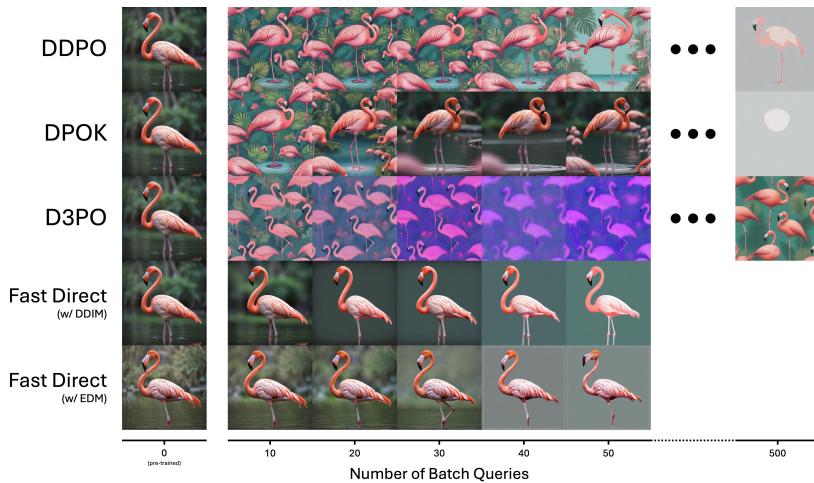


Figure 11: The generated images using the unseen prompt "flamingo" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

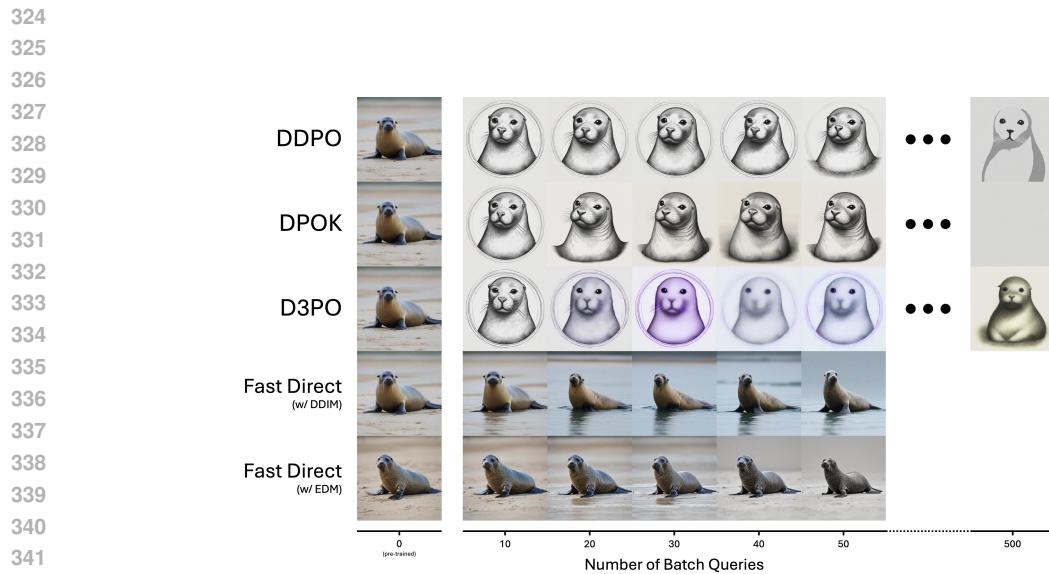


Figure 12: The generated images using the unseen prompt "seal" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

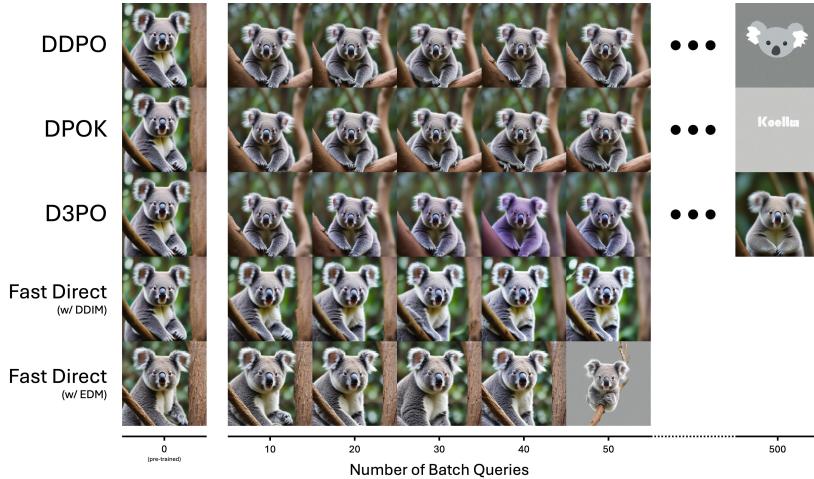


Figure 13: The generated images using the unseen prompt "koala" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

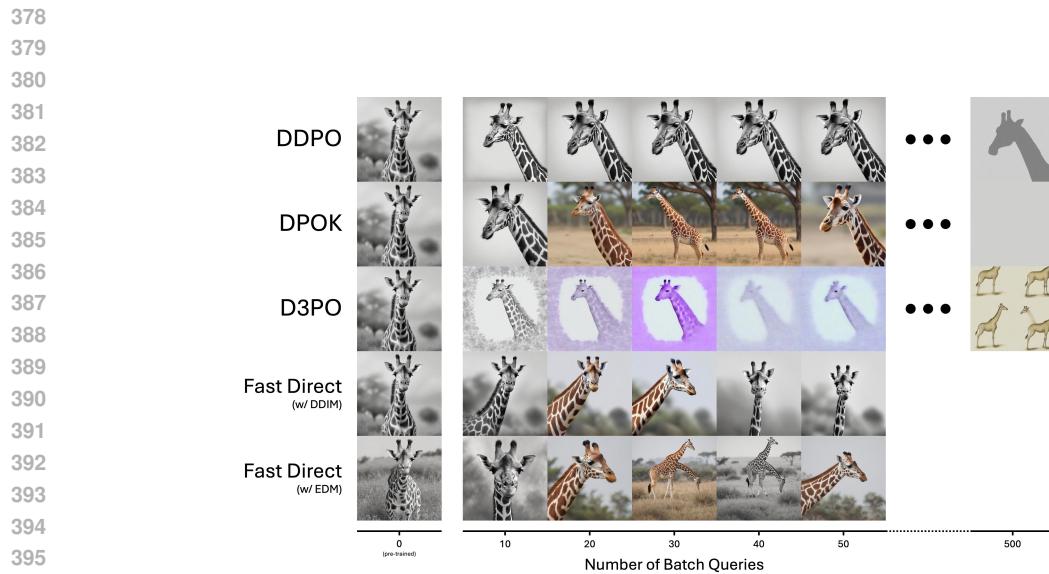


Figure 14: The generated images using the unseen prompt "giraffe" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

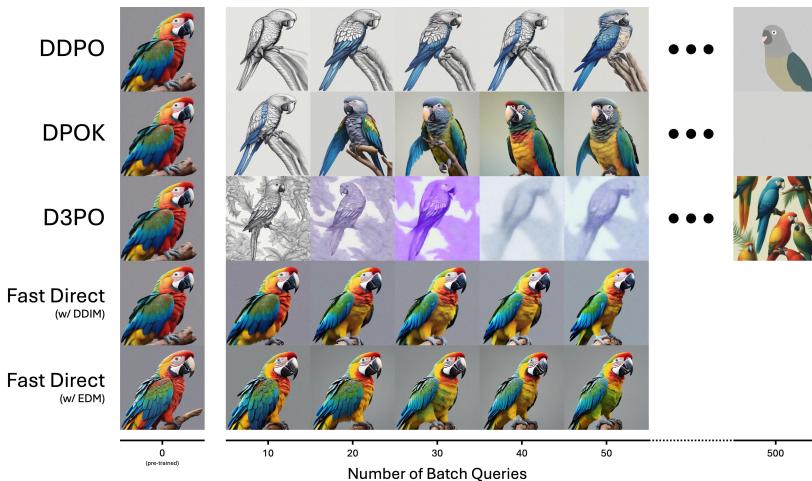


Figure 15: The generated images using the unseen prompt "parrot" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

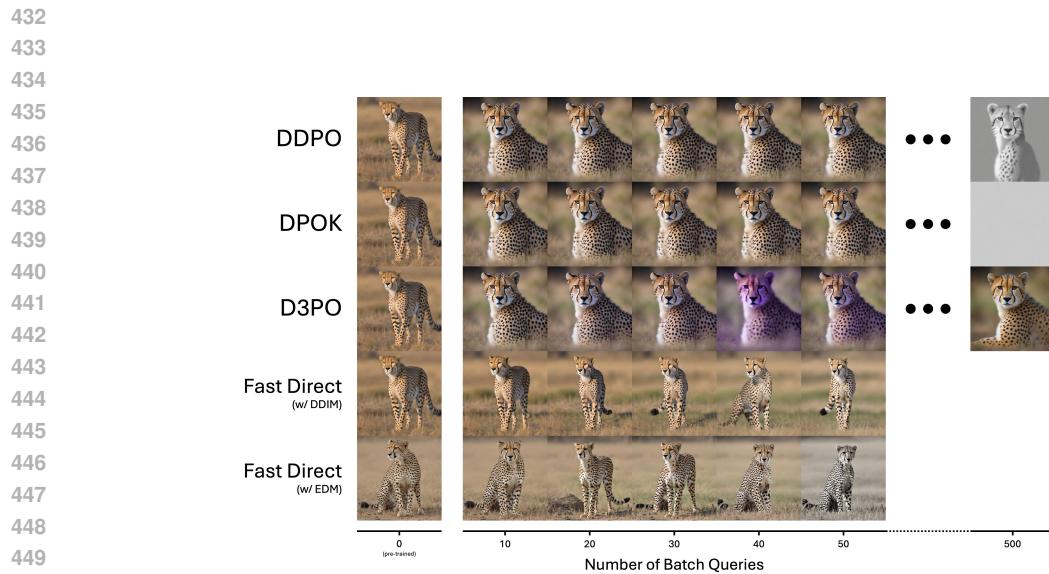


Figure 16: The generated images using the unseen prompt "cheetah" in compressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

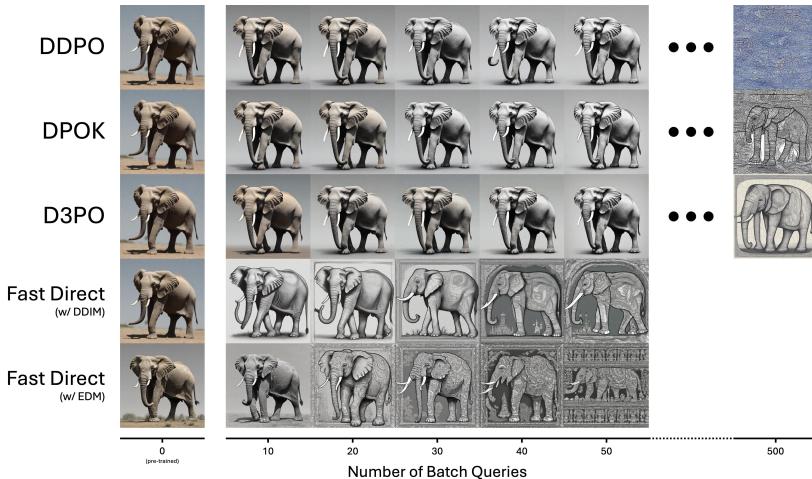
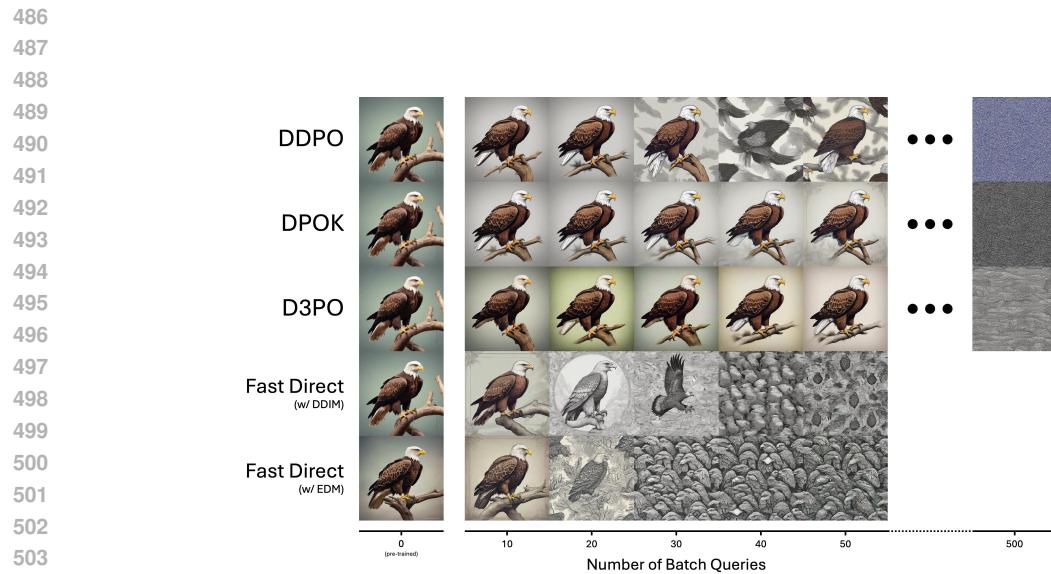
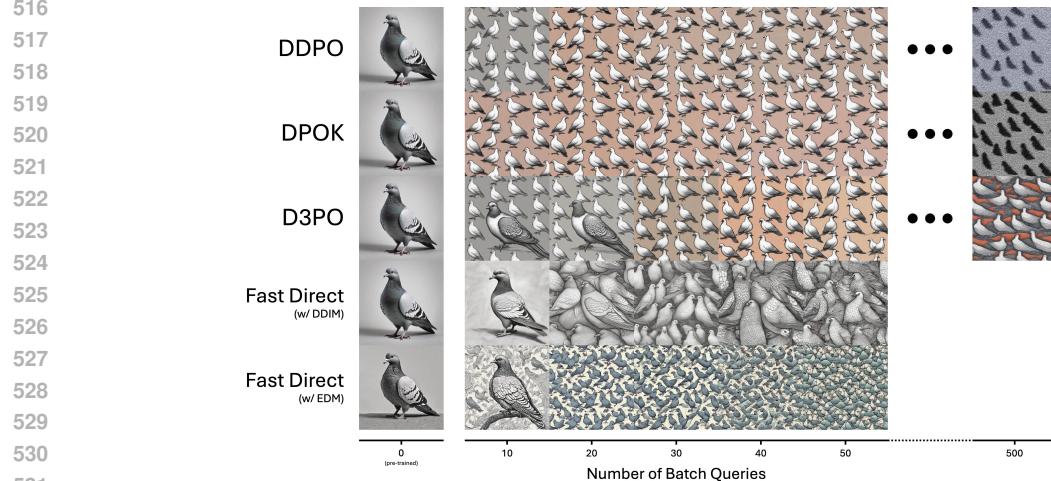


Figure 17: The generated images using the unseen prompt "elephant" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.



508 Figure 18: The generated images using the unseen prompt "eagle" in incompressibility task, extra
509 batch queries budgets (until 500) are given to the baselines methods for demonstration.
510



529 Figure 19: The generated images using the unseen prompt "pigeon" in incompressibility task, extra
530 batch queries budgets (until 500) are given to the baselines methods for demonstration.
531
532
533
534
535

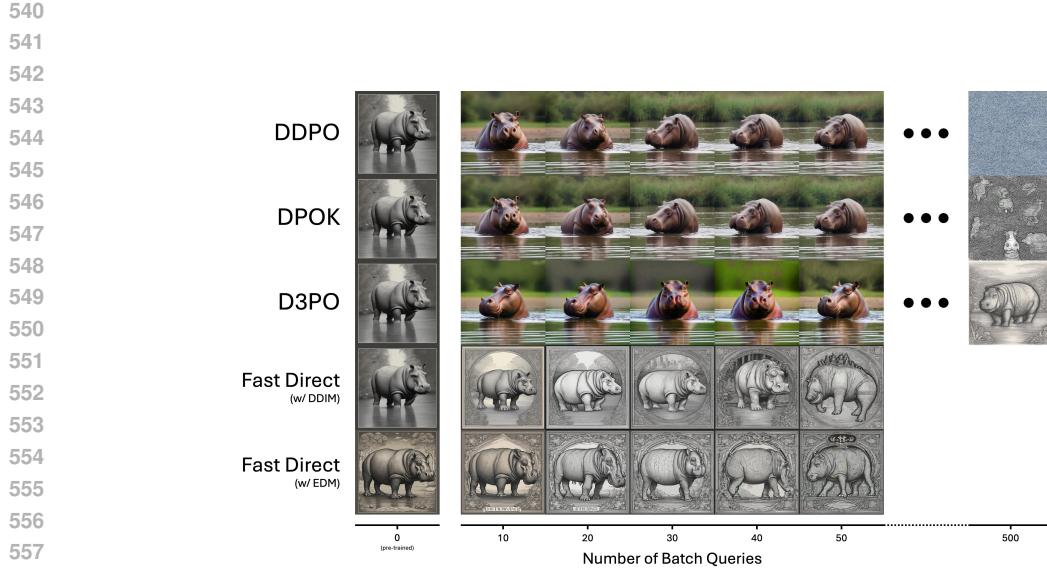


Figure 20: The generated images using the unseen prompt "hippo" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

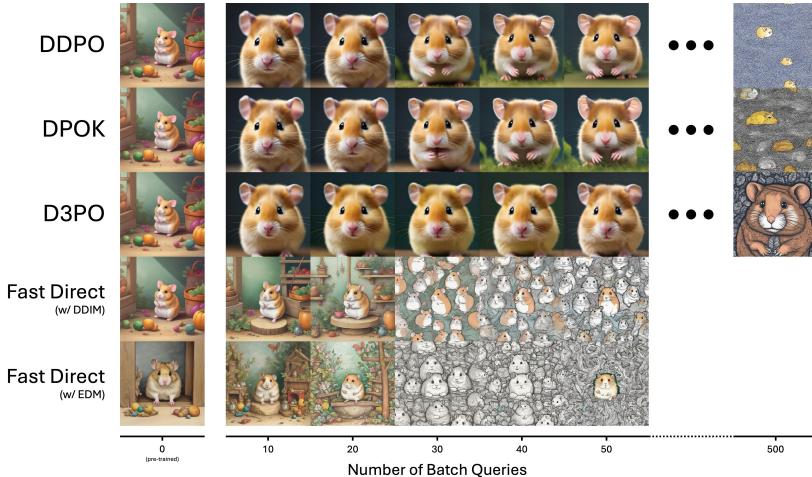


Figure 21: The generated images using the unseen prompt "hamster" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

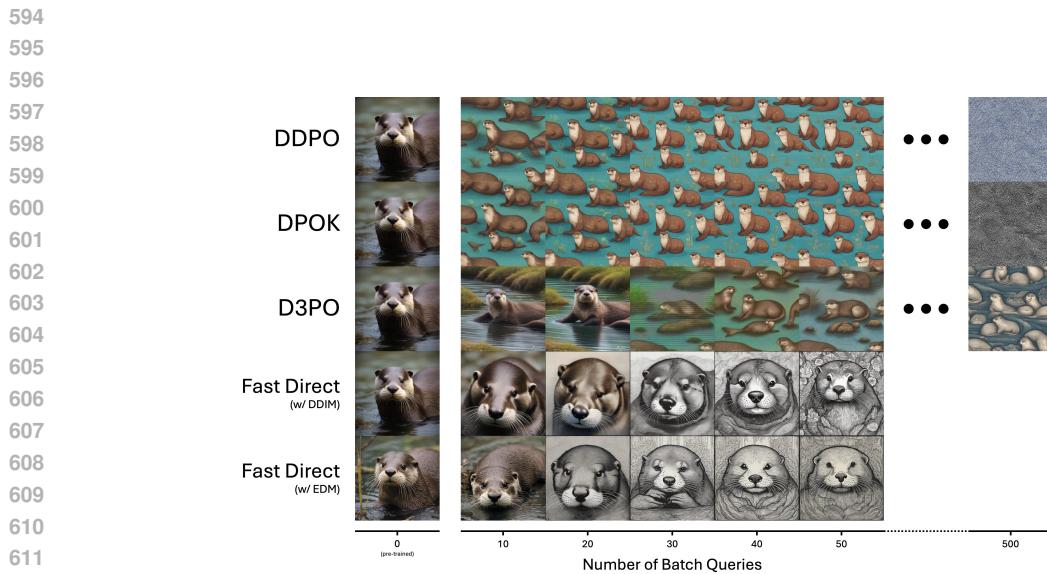


Figure 22: The generated images using the unseen prompt "otter" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

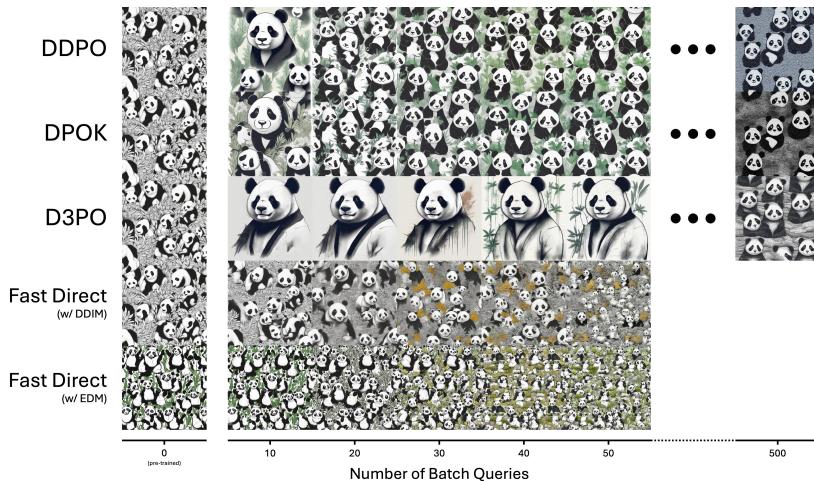


Figure 23: The generated images using the unseen prompt "panda" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

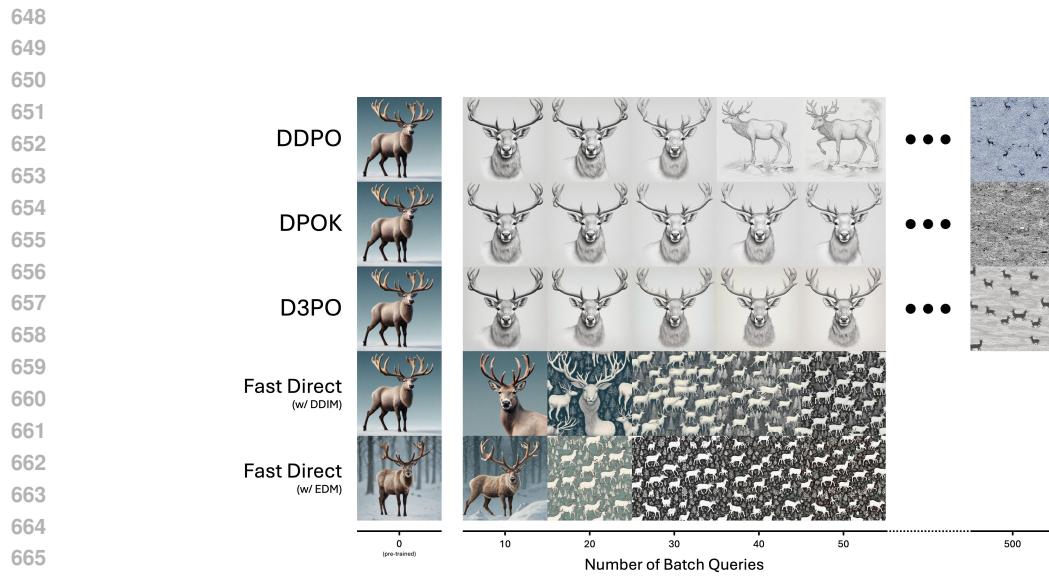


Figure 24: The generated images using the unseen prompt "reindeer" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

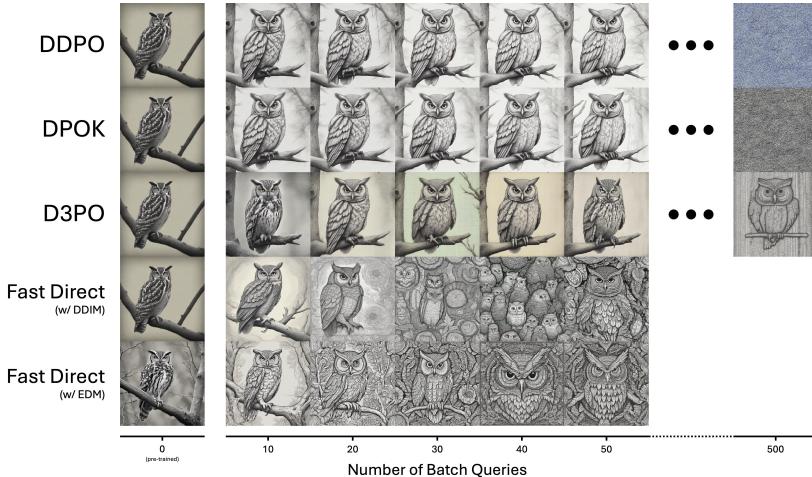


Figure 25: The generated images using the unseen prompt "owl" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

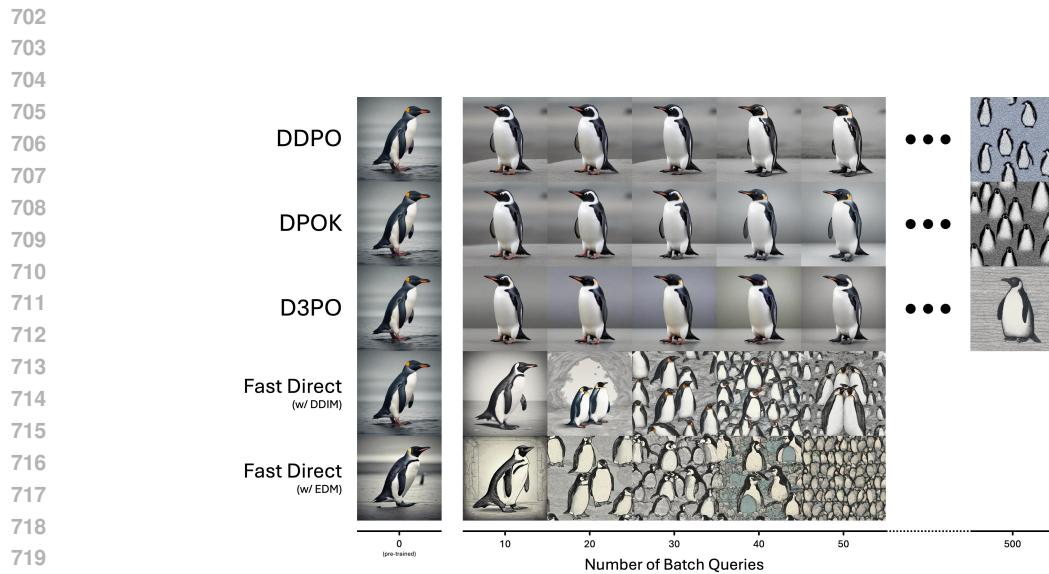


Figure 26: The generated images using the unseen prompt "penguin" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

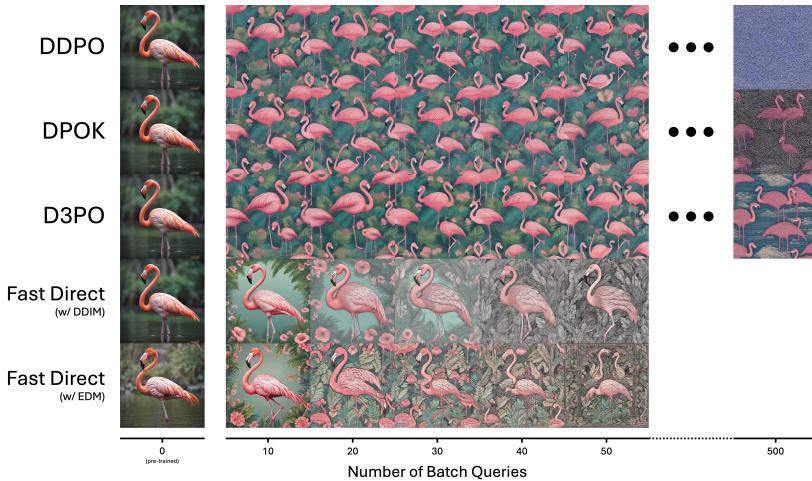


Figure 27: The generated images using the unseen prompt "flamingo" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

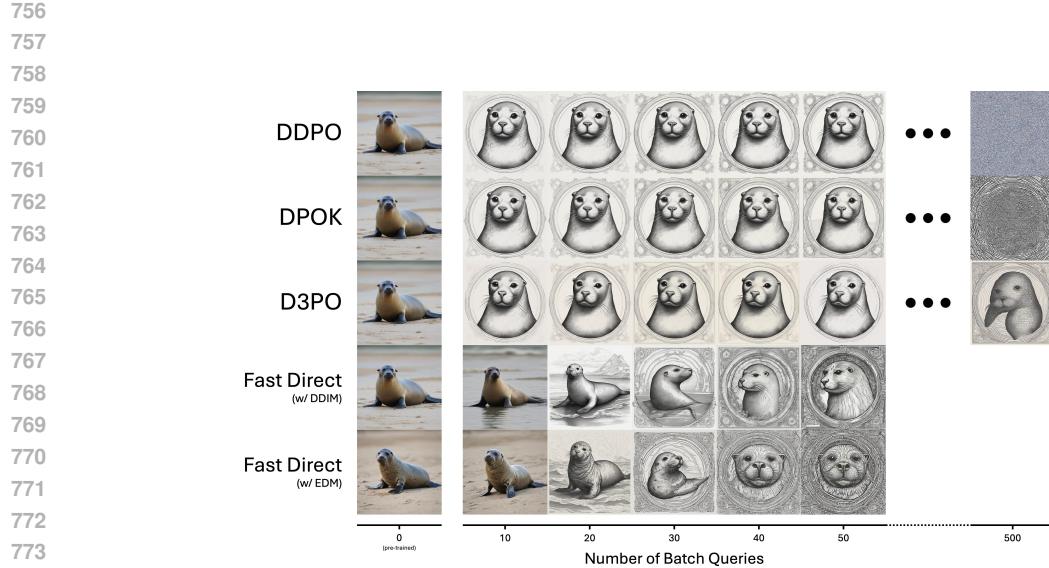


Figure 28: The generated images using the unseen prompt "seal" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

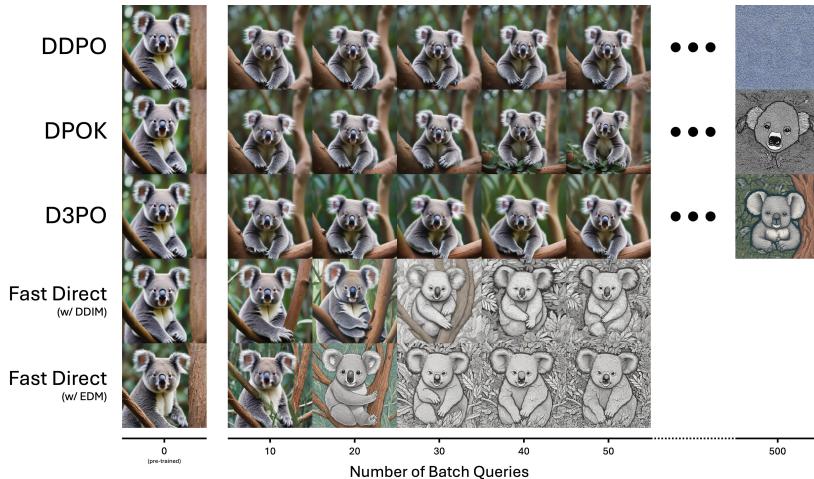


Figure 29: The generated images using the unseen prompt "koala" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

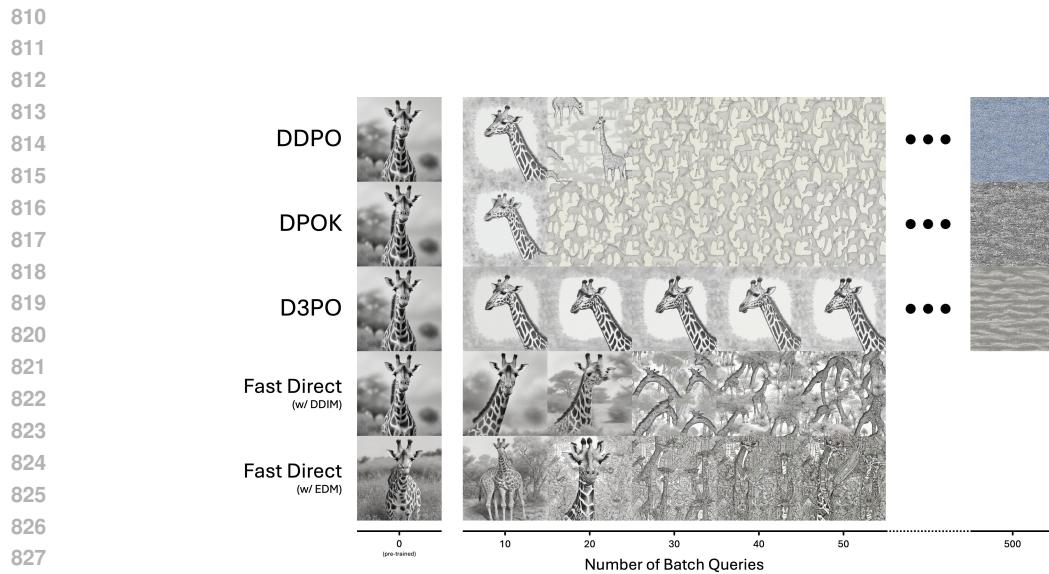


Figure 30: The generated images using the unseen prompt "giraffe" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

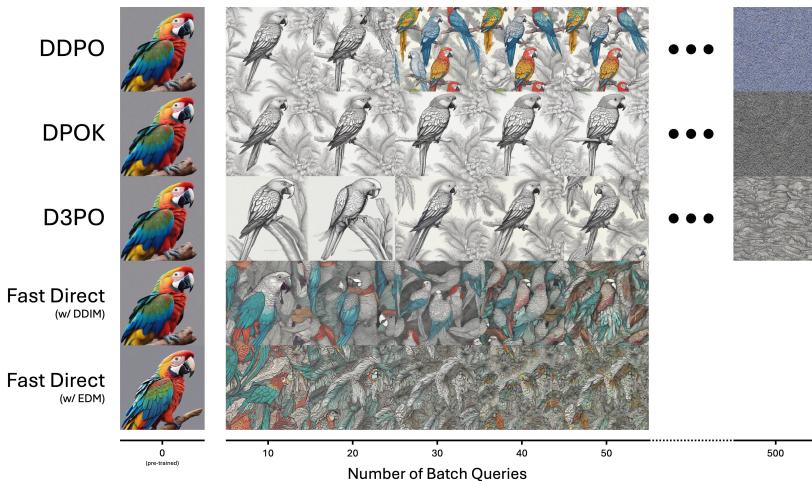


Figure 31: The generated images using the unseen prompt "parrot" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

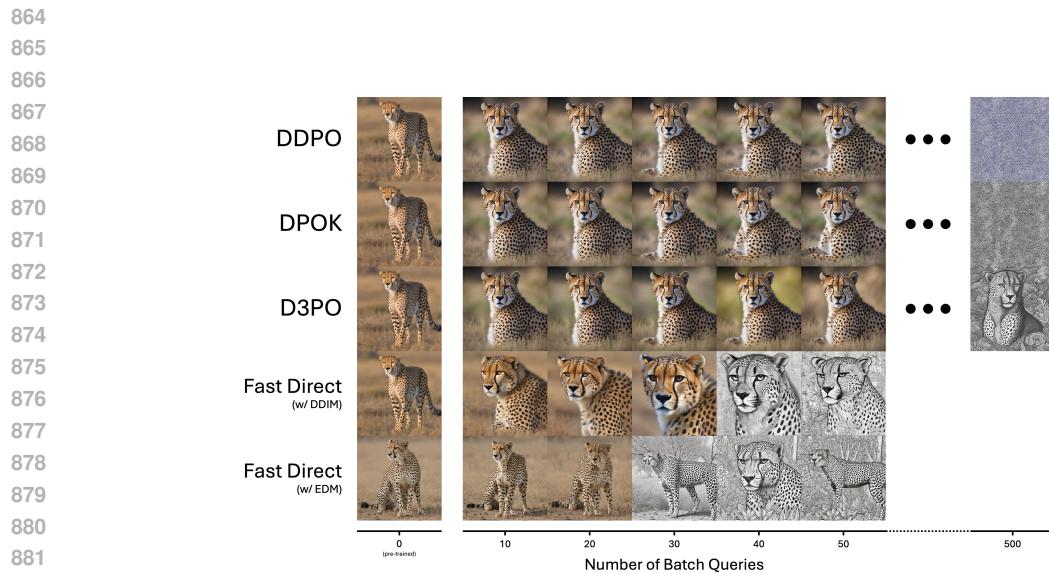


Figure 32: The generated images using the unseen prompt "cheetah" in incompressibility task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

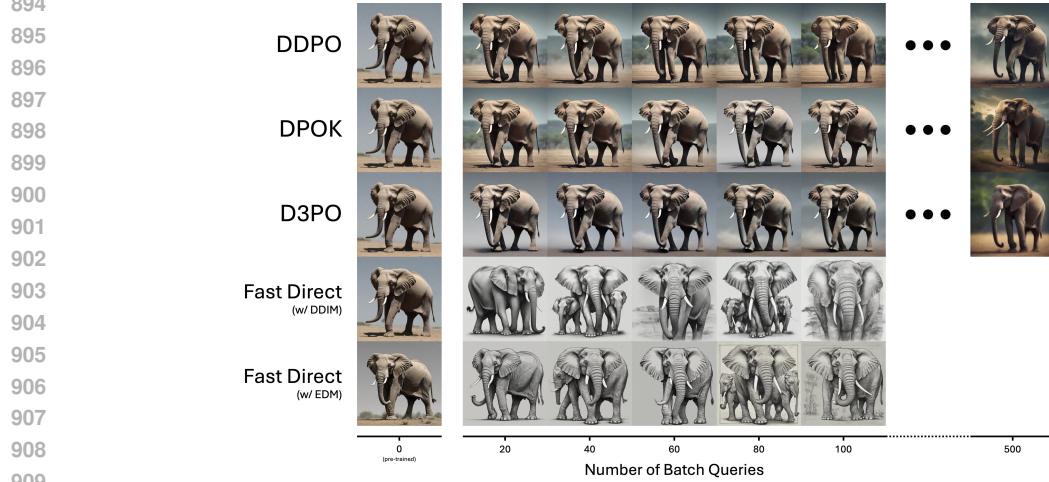


Figure 33: The generated images using the unseen prompt "elephant" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

916
917

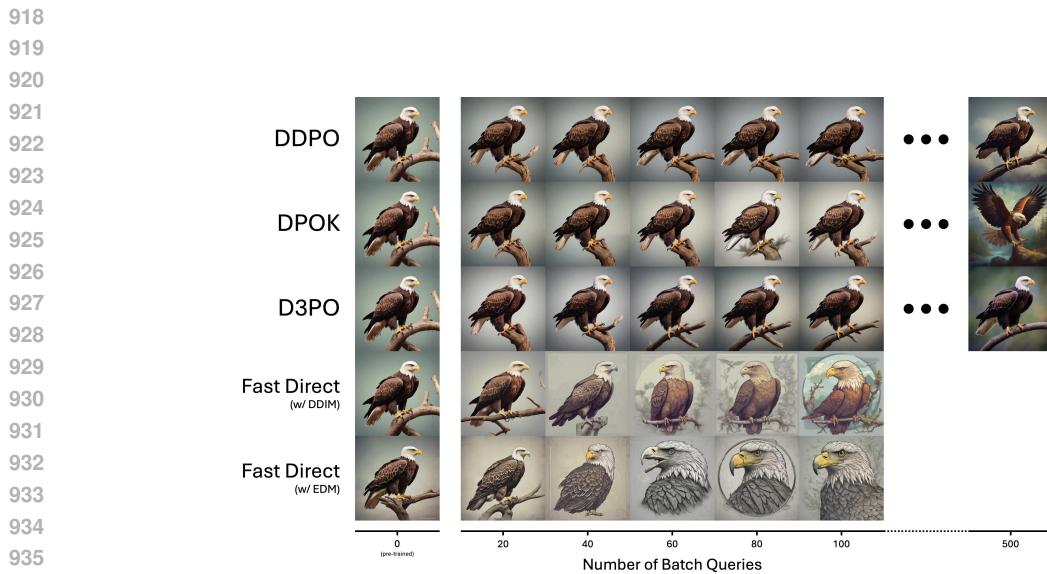


Figure 34: The generated images using the unseen prompt "eagle" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

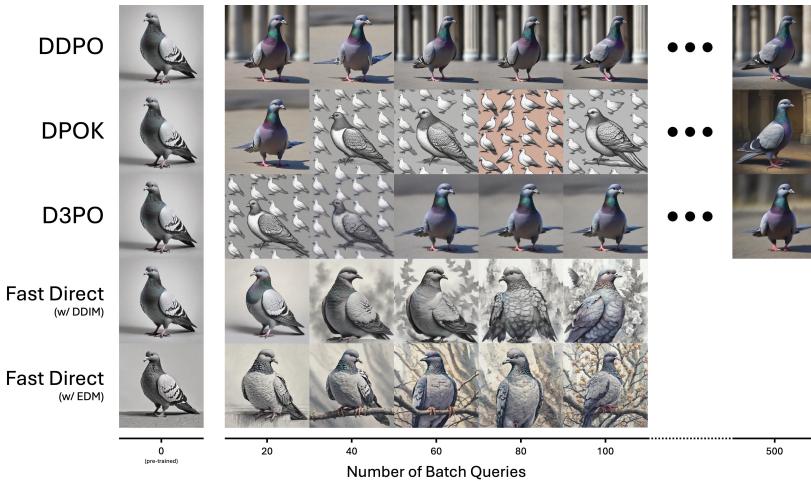


Figure 35: The generated images using the unseen prompt "pigeon" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

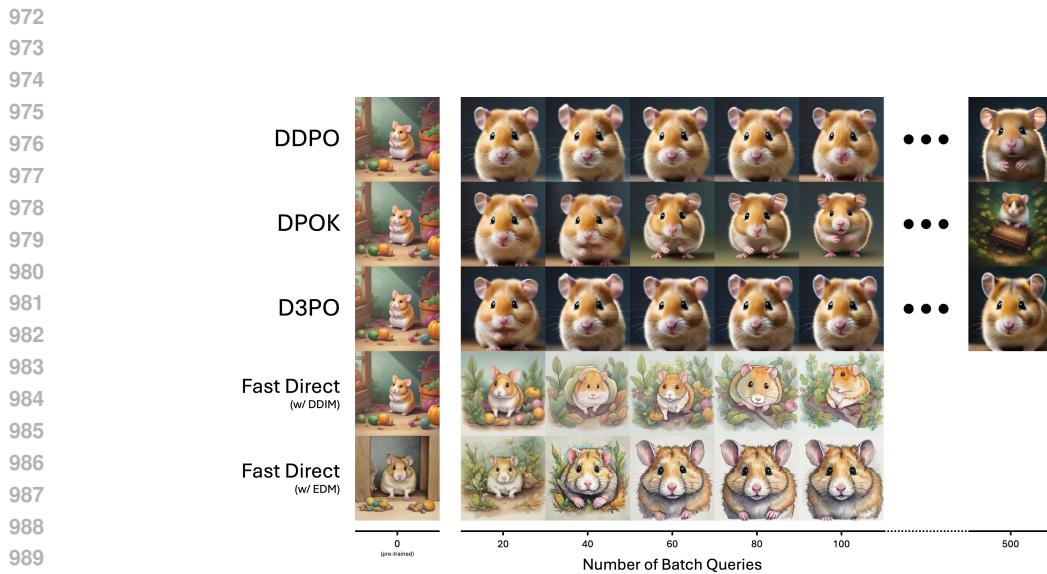


Figure 36: The generated images using the unseen prompt "hamster" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

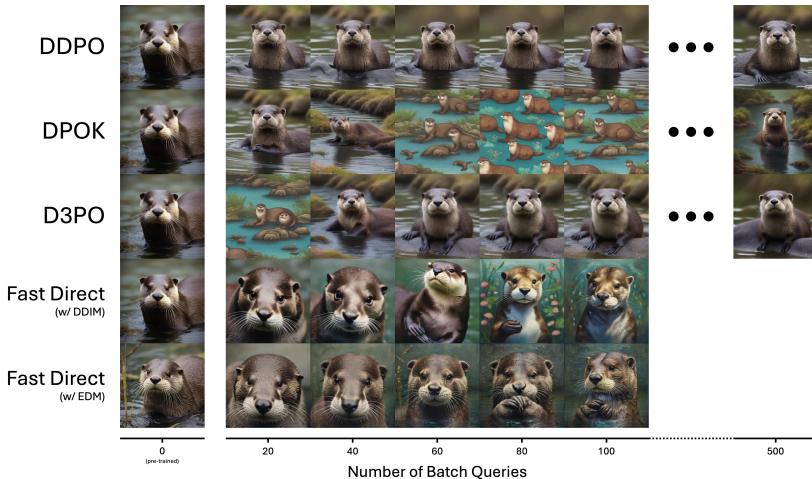


Figure 37: The generated images using the unseen prompt "otter" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

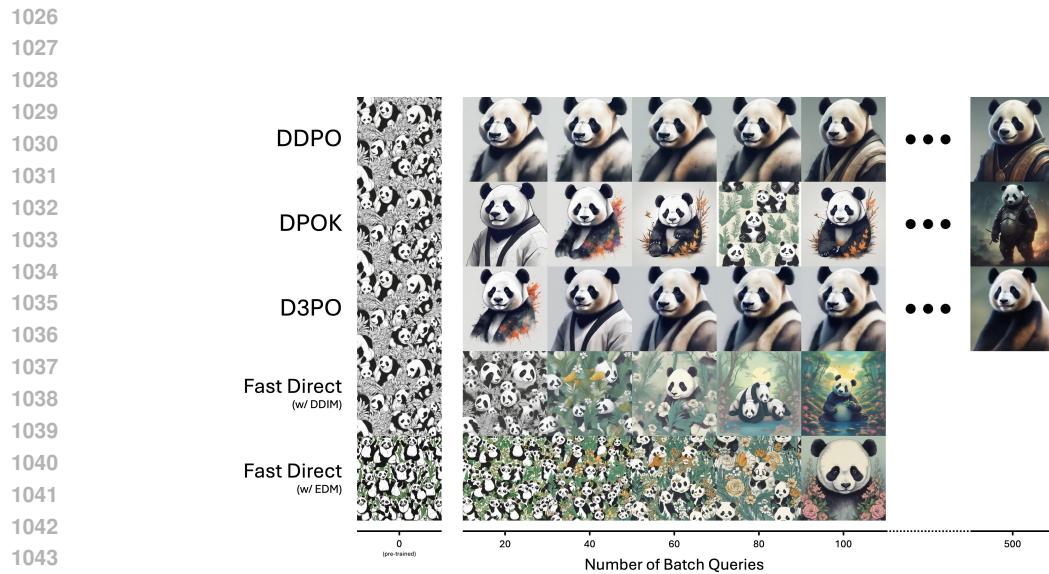


Figure 38: The generated images using the unseen prompt "panda" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

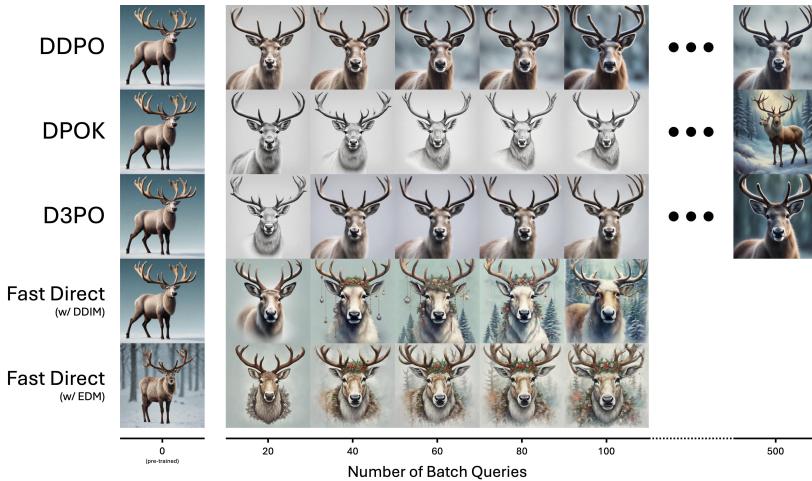
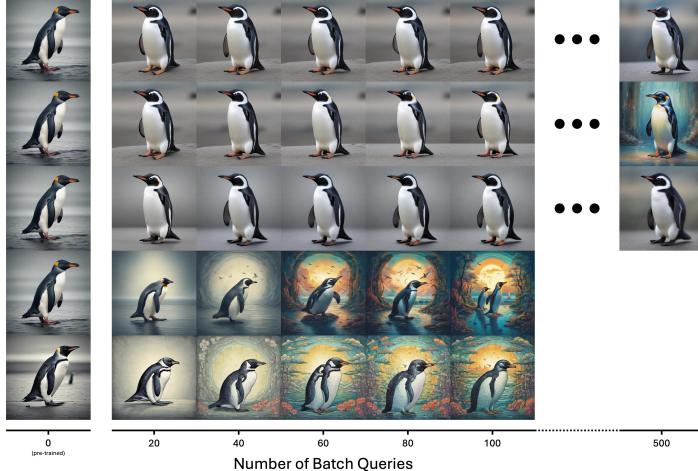
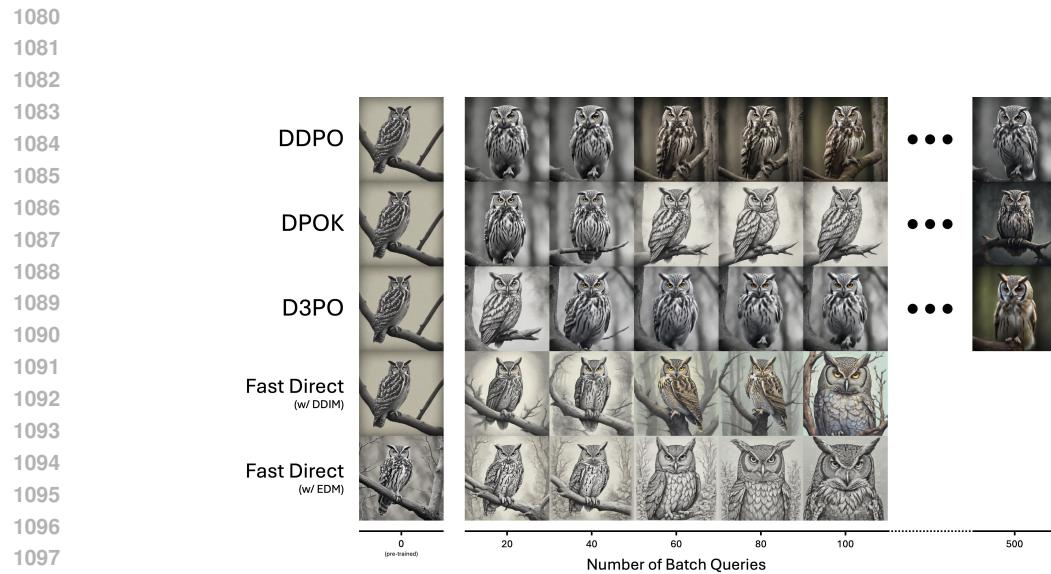


Figure 39: The generated images using the unseen prompt "reindeer" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.



21

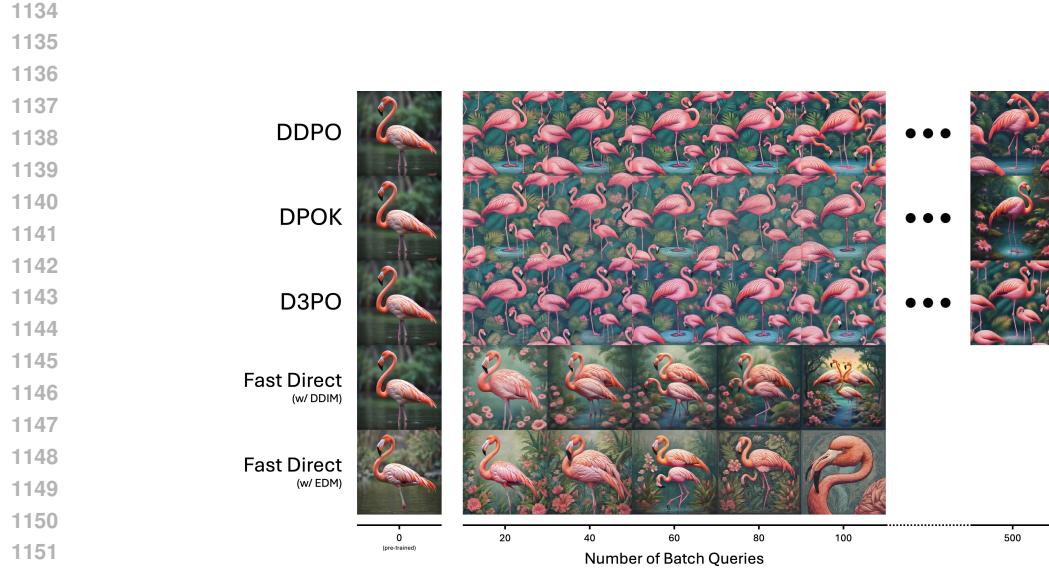


Figure 42: The generated images using the unseen prompt "flamingo" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

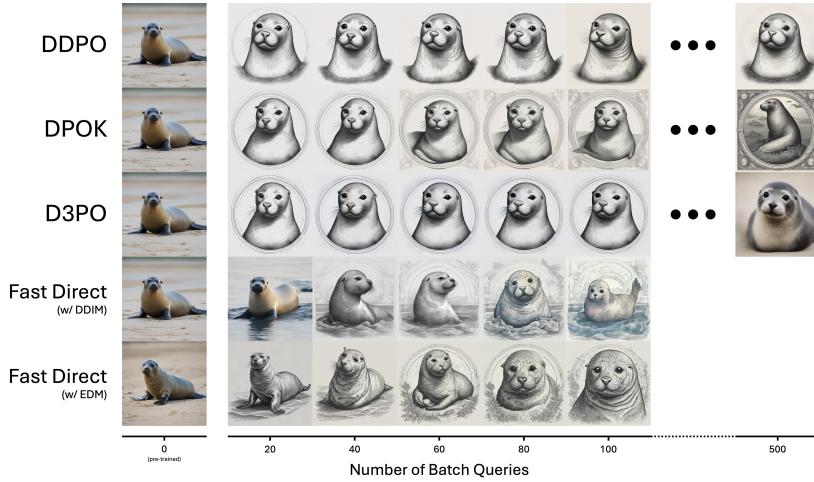
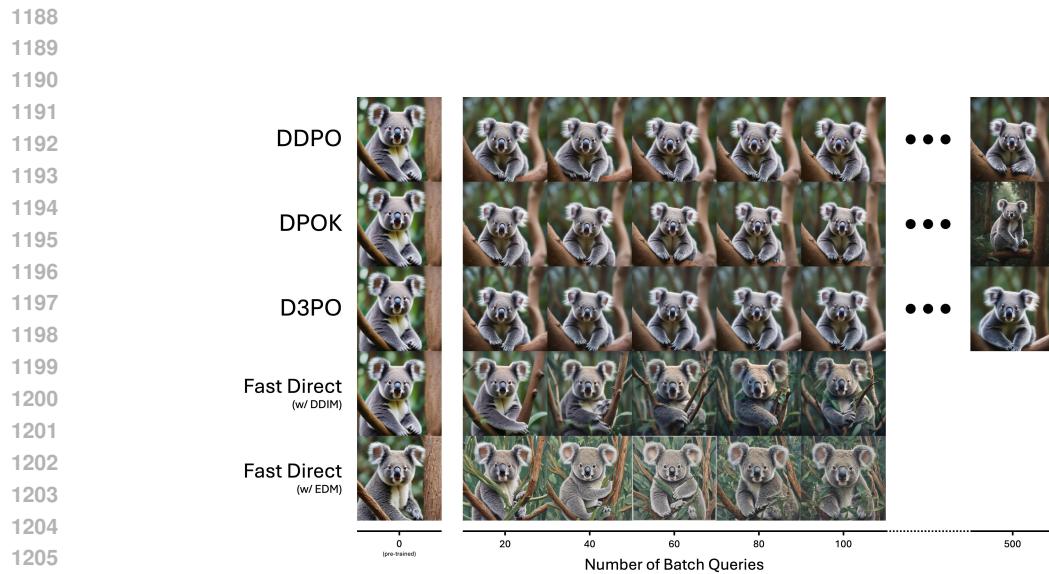


Figure 43: The generated images using the unseen prompt "seal" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.



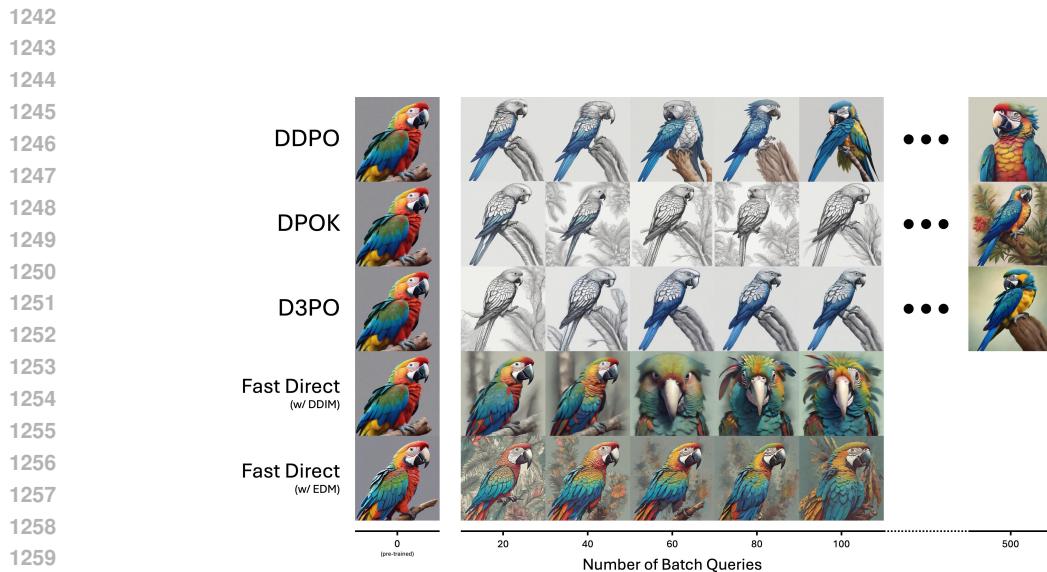


Figure 46: The generated images using the unseen prompt "parrot" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.

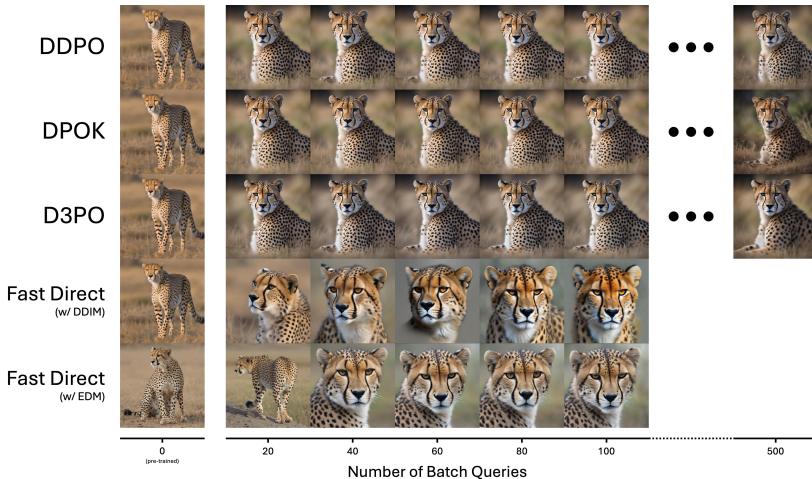
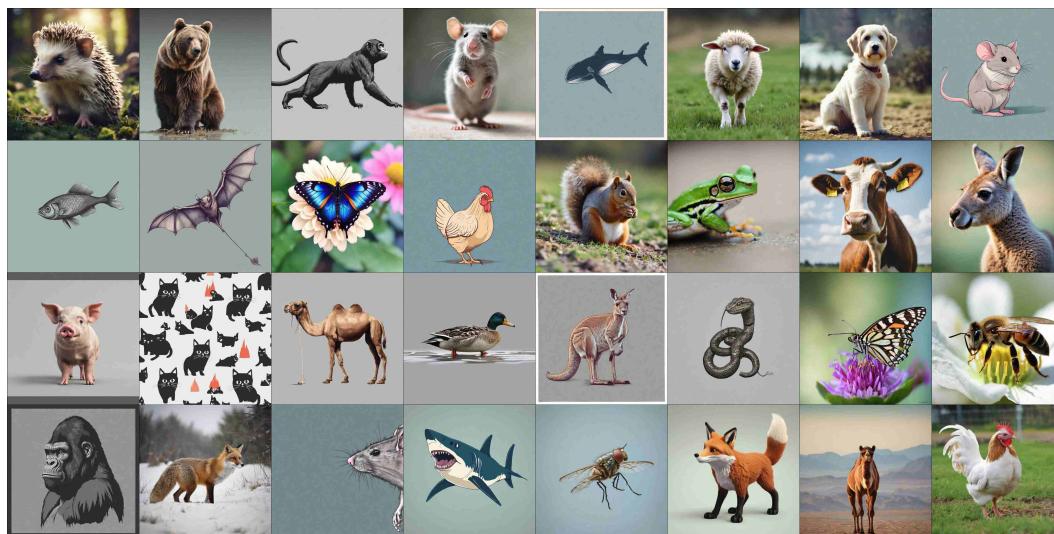


Figure 47: The generated images using the unseen prompt "cheetah" in aesthetic task, extra batch queries budgets (until 500) are given to the baselines methods for demonstration.



1341 Figure 48: The 32 randomly generated images for the compressibility task by Fast Direct utilizing
1342 50 batch queries budget.

1343
1344
1345
1346
1347
1348
1349



(a) Pre-trained



(b) Fast Direct

Figure 49: The 32 randomly generated images for the incompressibility task by Fast Direct utilizing 50 batch queries budget.

1393
1394
1395
1396
1397
1398
1399
1400
1401
1402
1403

1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1414
1415
1416
1417
1418
1419
1420
1421
1422
1423
1424
1425
1426
1427
1428



(a) Pre-trained

1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448



(b) Fast Direct

1449
1450
1451
1452
1453
1454
1455
1456
1457