Mnist\_original:

Epoch [1/20], Loss: 0.1285

Epoch [2/20], Loss: 0.0308

Epoch [3/20], Loss: 0.0169

Epoch [4/20], Loss: 0.0091

Epoch [5/20], Loss: 0.0045

Epoch [6/20], Loss: 0.0029

Epoch [7/20], Loss: 0.0031

Epoch [8/20], Loss: 0.0049

Epoch [9/20], Loss: 0.0013

Epoch [10/20], Loss: 0.0007

Epoch [11/20], Loss: 0.0006

Epoch [12/20], Loss: 0.0002

Epoch [13/20], Loss: 0.0002

Epoch [14/20], Loss: 0.0001

Epoch [15/20], Loss: 0.0001

Epoch [16/20], Loss: 0.0001

Epoch [17/20], Loss: 0.0001

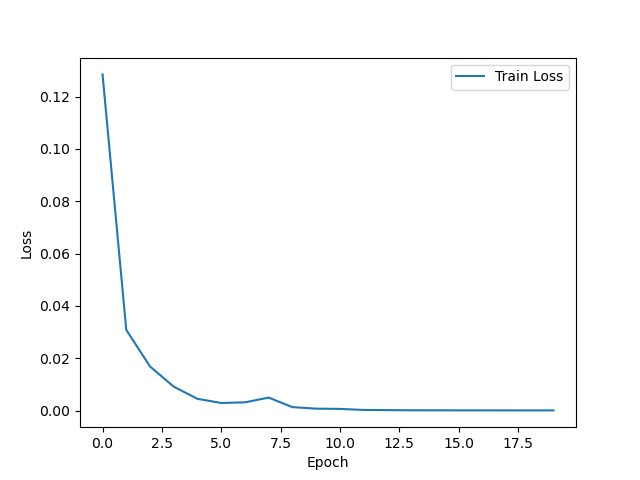
Epoch [18/20], Loss: 0.0001

Epoch [19/20], Loss: 0.0001

Epoch [20/20], Loss: 0.0001

Training finished!

Test Accuracy: 0.99



Mnist\_dis:

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\distributed\mnist\_Main.py

Epoch [1/20], Loss: 0.1199

Epoch [2/20], Loss: 0.0313

Epoch [3/20], Loss: 0.0215

Epoch [4/20], Loss: 0.0143

Epoch [5/20], Loss: 0.0093

Epoch [6/20], Loss: 0.0071

Epoch [7/20], Loss: 0.0051

Epoch [8/20], Loss: 0.0043

Epoch [9/20], Loss: 0.0024

Epoch [10/20], Loss: 0.0025

Epoch [11/20], Loss: 0.0006

Epoch [12/20], Loss: 0.0008

Epoch [13/20], Loss: 0.0010

Epoch [14/20], Loss: 0.0010

Epoch [15/20], Loss: 0.0003

Epoch [16/20], Loss: 0.0002

Epoch [17/20], Loss: 0.0001

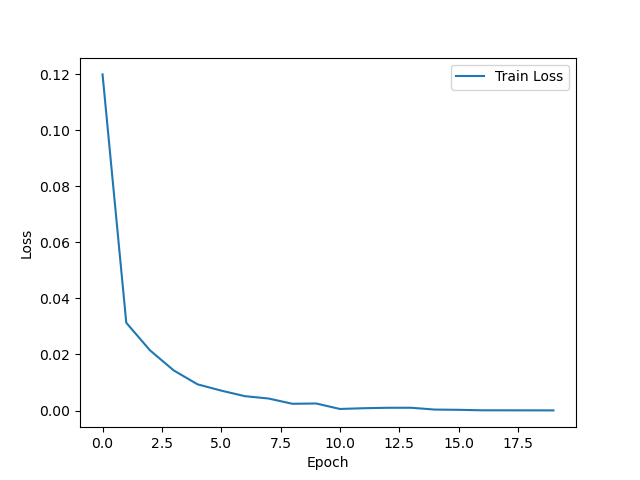
Epoch [18/20], Loss: 0.0001

Epoch [19/20], Loss: 0.0001

Epoch [20/20], Loss: 0.0000

Training finished!

Test Accuracy: 1.00



Cifar100 dist

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\distributed\cifar100\_Main.py

Downloading https://www.cs.toronto.edu/~kriz/cifar-100-python.tar.gz to ./data\cifar-100-python.tar.gz

100.0%

Extracting ./data\cifar-100-python.tar.gz to ./data

Epoch [1/200], Loss: 3.8323

Epoch [2/200], Loss: 3.1945

Epoch [3/200], Loss: 2.8304

Epoch [4/200], Loss: 2.5594

Epoch [5/200], Loss: 2.3454

Epoch [6/200], Loss: 2.1684

Epoch [7/200], Loss: 2.0171

Epoch [8/200], Loss: 1.8979

Epoch [9/200], Loss: 1.7858

Epoch [10/200], Loss: 1.6984

Epoch [11/200], Loss: 1.6001

Epoch [12/200], Loss: 1.5283

Epoch [13/200], Loss: 1.4576

Epoch [14/200], Loss: 1.3884

Epoch [15/200], Loss: 1.3288

Epoch [16/200], Loss: 1.2549

Epoch [17/200], Loss: 1.2143

Epoch [18/200], Loss: 1.1644

Epoch [19/200], Loss: 1.1025

Epoch [20/200], Loss: 1.0592

Epoch [21/200], Loss: 1.0060

Epoch [22/200], Loss: 0.9715

Epoch [23/200], Loss: 0.9288

Epoch [24/200], Loss: 0.8790

Epoch [25/200], Loss: 0.8469

Epoch [26/200], Loss: 0.8136

Epoch [27/200], Loss: 0.7838

Epoch [28/200], Loss: 0.7434

Epoch [29/200], Loss: 0.7069

Epoch [30/200], Loss: 0.6620

Epoch [31/200], Loss: 0.6440

Epoch [32/200], Loss: 0.6103

Epoch [33/200], Loss: 0.5807

Epoch [34/200], Loss: 0.5506

Epoch [35/200], Loss: 0.5173

Epoch [36/200], Loss: 0.5000

Epoch [37/200], Loss: 0.4754

Epoch [38/200], Loss: 0.4474

Epoch [39/200], Loss: 0.4377

Epoch [40/200], Loss: 0.4187

Epoch [41/200], Loss: 0.4049

Epoch [42/200], Loss: 0.3787

Epoch [43/200], Loss: 0.3663

Epoch [44/200], Loss: 0.3473

Epoch [45/200], Loss: 0.3254

Epoch [46/200], Loss: 0.3173

Epoch [47/200], Loss: 0.3007

Epoch [48/200], Loss: 0.2899

Epoch [49/200], Loss: 0.2743

Epoch [50/200], Loss: 0.2597

Epoch [51/200], Loss: 0.2617

Epoch [52/200], Loss: 0.2400

Epoch [53/200], Loss: 0.2387

Epoch [54/200], Loss: 0.2268

Epoch [55/200], Loss: 0.2146

Epoch [56/200], Loss: 0.2107

Epoch [57/200], Loss: 0.1965

Epoch [58/200], Loss: 0.2013

Epoch [59/200], Loss: 0.1922

Epoch [60/200], Loss: 0.1825

Epoch [61/200], Loss: 0.1818

Epoch [62/200], Loss: 0.1597

Epoch [63/200], Loss: 0.1680

Epoch [64/200], Loss: 0.1606

Epoch [65/200], Loss: 0.1569

Epoch [66/200], Loss: 0.1535

Epoch [67/200], Loss: 0.1448

Epoch [68/200], Loss: 0.1444

Epoch [69/200], Loss: 0.1384

Epoch [70/200], Loss: 0.1399

Epoch [71/200], Loss: 0.1308

Epoch [72/200], Loss: 0.1378

Epoch [73/200], Loss: 0.1269

Epoch [74/200], Loss: 0.1189

Epoch [75/200], Loss: 0.1157

Epoch [76/200], Loss: 0.1188

Epoch [77/200], Loss: 0.1126

Epoch [78/200], Loss: 0.1106

Epoch [79/200], Loss: 0.1084

Epoch [80/200], Loss: 0.1065

Epoch [81/200], Loss: 0.1036

Epoch [82/200], Loss: 0.0999

Epoch [83/200], Loss: 0.1049

Epoch [84/200], Loss: 0.0953

Epoch [85/200], Loss: 0.0918

Epoch [86/200], Loss: 0.0877

Epoch [87/200], Loss: 0.0902

Epoch [88/200], Loss: 0.0920

Epoch [89/200], Loss: 0.0828

Epoch [90/200], Loss: 0.0846

Epoch [91/200], Loss: 0.0864

Epoch [92/200], Loss: 0.0800

Epoch [93/200], Loss: 0.0765

Epoch [94/200], Loss: 0.0797

Epoch [95/200], Loss: 0.0720

Epoch [96/200], Loss: 0.0772

Epoch [97/200], Loss: 0.0770

Epoch [98/200], Loss: 0.0732

Epoch [99/200], Loss: 0.0712

Epoch [100/200], Loss: 0.0650

Epoch [101/200], Loss: 0.0686

Epoch [102/200], Loss: 0.0657

Epoch [103/200], Loss: 0.0625

Epoch [104/200], Loss: 0.0616

Epoch [105/200], Loss: 0.0572

Epoch [106/200], Loss: 0.0582

Epoch [107/200], Loss: 0.0605

Epoch [108/200], Loss: 0.0642

Epoch [109/200], Loss: 0.0599

Epoch [110/200], Loss: 0.0593

Epoch [111/200], Loss: 0.0574

Epoch [112/200], Loss: 0.0592

Epoch [113/200], Loss: 0.0560

Epoch [114/200], Loss: 0.0603

Epoch [115/200], Loss: 0.0587

Epoch [116/200], Loss: 0.0463

Epoch [117/200], Loss: 0.0471

Epoch [118/200], Loss: 0.0501

Epoch [119/200], Loss: 0.0474

Epoch [120/200], Loss: 0.0496

Epoch [121/200], Loss: 0.0476

Epoch [122/200], Loss: 0.0450

Epoch [123/200], Loss: 0.0495

Epoch [124/200], Loss: 0.0502

Epoch [125/200], Loss: 0.0524

Epoch [126/200], Loss: 0.0491

Epoch [127/200], Loss: 0.0476

Epoch [128/200], Loss: 0.0435

Epoch [129/200], Loss: 0.0429

Epoch [130/200], Loss: 0.0407

Epoch [131/200], Loss: 0.0443

Epoch [132/200], Loss: 0.0395

Epoch [133/200], Loss: 0.0389

Epoch [134/200], Loss: 0.0380

Epoch [135/200], Loss: 0.0411

Epoch [136/200], Loss: 0.0407

Epoch [137/200], Loss: 0.0418

Epoch [138/200], Loss: 0.0467

Epoch [139/200], Loss: 0.0366

Epoch [140/200], Loss: 0.0370

Epoch [141/200], Loss: 0.0366

Epoch [142/200], Loss: 0.0373

Epoch [143/200], Loss: 0.0384

Epoch [144/200], Loss: 0.0356

Epoch [145/200], Loss: 0.0325

Epoch [146/200], Loss: 0.0323

Epoch [147/200], Loss: 0.0351

Epoch [148/200], Loss: 0.0366

Epoch [149/200], Loss: 0.0349

Epoch [150/200], Loss: 0.0342

Epoch [151/200], Loss: 0.0338

Epoch [152/200], Loss: 0.0336

Epoch [153/200], Loss: 0.0334

Epoch [154/200], Loss: 0.0308

Epoch [155/200], Loss: 0.0307

Epoch [156/200], Loss: 0.0304

Epoch [157/200], Loss: 0.0298

Epoch [158/200], Loss: 0.0293

Epoch [159/200], Loss: 0.0311

Epoch [160/200], Loss: 0.0306

Epoch [161/200], Loss: 0.0310

Epoch [162/200], Loss: 0.0302

Epoch [163/200], Loss: 0.0267

Epoch [164/200], Loss: 0.0247

Epoch [165/200], Loss: 0.0274

Epoch [166/200], Loss: 0.0267

Epoch [167/200], Loss: 0.0275

Epoch [168/200], Loss: 0.0300

Epoch [169/200], Loss: 0.0253

Epoch [170/200], Loss: 0.0284

Epoch [171/200], Loss: 0.0283

Epoch [172/200], Loss: 0.0294

Epoch [173/200], Loss: 0.0263

Epoch [174/200], Loss: 0.0274

Epoch [175/200], Loss: 0.0240

Epoch [176/200], Loss: 0.0245

Epoch [177/200], Loss: 0.0227

Epoch [178/200], Loss: 0.0246

Epoch [179/200], Loss: 0.0243

Epoch [180/200], Loss: 0.0257

Epoch [181/200], Loss: 0.0284

Epoch [182/200], Loss: 0.0260

Epoch [183/200], Loss: 0.0221

Epoch [184/200], Loss: 0.0221

Epoch [185/200], Loss: 0.0220

Epoch [186/200], Loss: 0.0254

Epoch [187/200], Loss: 0.0227

Epoch [188/200], Loss: 0.0207

Epoch [189/200], Loss: 0.0229

Epoch [190/200], Loss: 0.0210

Epoch [191/200], Loss: 0.0194

Epoch [192/200], Loss: 0.0192

Epoch [193/200], Loss: 0.0215

Epoch [194/200], Loss: 0.0227

Epoch [195/200], Loss: 0.0211

Epoch [196/200], Loss: 0.0187

Epoch [197/200], Loss: 0.0202

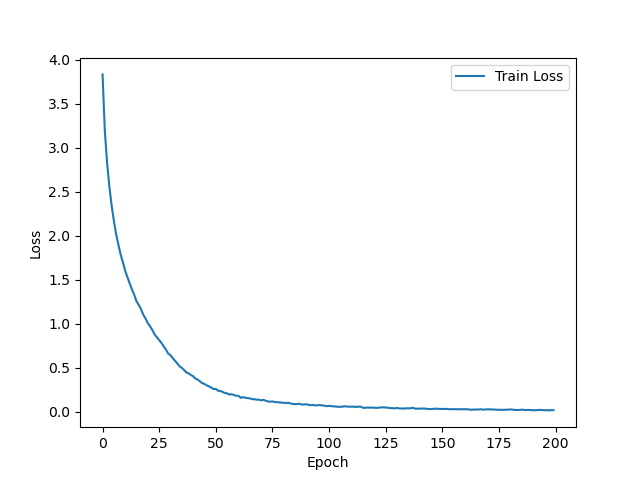
Epoch [198/200], Loss: 0.0171

Epoch [199/200], Loss: 0.0208

Epoch [200/200], Loss: 0.0198

Training finished!

Test Accuracy: 0.66



Cifar100 original:

D:\Anaconda\envs\pytorch1.13\_py3.7\python.exe D:\gradu1\EE595\lab\ResNet\original\cifar100\_Main.py

Downloading https://www.cs.toronto.edu/~kriz/cifar-100-python.tar.gz to ./data\cifar-100-python.tar.gz

100.0%

Extracting ./data\cifar-100-python.tar.gz to ./data

Epoch [1/200], Loss: 3.8044

Epoch [2/200], Loss: 3.1899

Epoch [3/200], Loss: 2.8389

Epoch [4/200], Loss: 2.5654

Epoch [5/200], Loss: 2.3561

Epoch [6/200], Loss: 2.1806

Epoch [7/200], Loss: 2.0290

Epoch [8/200], Loss: 1.9020

Epoch [9/200], Loss: 1.7928

Epoch [10/200], Loss: 1.6947

Epoch [11/200], Loss: 1.6071

Epoch [12/200], Loss: 1.5244

Epoch [13/200], Loss: 1.4340

Epoch [14/200], Loss: 1.3646

Epoch [15/200], Loss: 1.2969

Epoch [16/200], Loss: 1.2171

Epoch [17/200], Loss: 1.1600

Epoch [18/200], Loss: 1.0935

Epoch [19/200], Loss: 1.0429

Epoch [20/200], Loss: 0.9872

Epoch [21/200], Loss: 0.9314

Epoch [22/200], Loss: 0.8704

Epoch [23/200], Loss: 0.8244

Epoch [24/200], Loss: 0.7656

Epoch [25/200], Loss: 0.7203

Epoch [26/200], Loss: 0.6695

Epoch [27/200], Loss: 0.6256

Epoch [28/200], Loss: 0.5838

Epoch [29/200], Loss: 0.5380

Epoch [30/200], Loss: 0.4965

Epoch [31/200], Loss: 0.4616

Epoch [32/200], Loss: 0.4330

Epoch [33/200], Loss: 0.4014

Epoch [34/200], Loss: 0.3702

Epoch [35/200], Loss: 0.3362

Epoch [36/200], Loss: 0.3152

Epoch [37/200], Loss: 0.2935

Epoch [38/200], Loss: 0.2696

Epoch [39/200], Loss: 0.2532

Epoch [40/200], Loss: 0.2375

Epoch [41/200], Loss: 0.2186

Epoch [42/200], Loss: 0.2055

Epoch [43/200], Loss: 0.1948

Epoch [44/200], Loss: 0.1732

Epoch [45/200], Loss: 0.1711

Epoch [46/200], Loss: 0.1542

Epoch [47/200], Loss: 0.1479

Epoch [48/200], Loss: 0.1396

Epoch [49/200], Loss: 0.1267

Epoch [50/200], Loss: 0.1227

Epoch [51/200], Loss: 0.1133

Epoch [52/200], Loss: 0.1073

Epoch [53/200], Loss: 0.1065

Epoch [54/200], Loss: 0.0970

Epoch [55/200], Loss: 0.0859

Epoch [56/200], Loss: 0.0794

Epoch [57/200], Loss: 0.0865

Epoch [58/200], Loss: 0.0772

Epoch [59/200], Loss: 0.0760

Epoch [60/200], Loss: 0.0855

Epoch [61/200], Loss: 0.0687

Epoch [62/200], Loss: 0.0617

Epoch [63/200], Loss: 0.0634

Epoch [64/200], Loss: 0.0629

Epoch [65/200], Loss: 0.0573

Epoch [66/200], Loss: 0.0536

Epoch [67/200], Loss: 0.0578

Epoch [68/200], Loss: 0.0549

Epoch [69/200], Loss: 0.0468

Epoch [70/200], Loss: 0.0463

Epoch [71/200], Loss: 0.0445

Epoch [72/200], Loss: 0.0430

Epoch [73/200], Loss: 0.0440

Epoch [74/200], Loss: 0.0378

Epoch [75/200], Loss: 0.0378

Epoch [76/200], Loss: 0.0357

Epoch [77/200], Loss: 0.0377

Epoch [78/200], Loss: 0.0417

Epoch [79/200], Loss: 0.0356

Epoch [80/200], Loss: 0.0388

Epoch [81/200], Loss: 0.0371

Epoch [82/200], Loss: 0.0380

Epoch [83/200], Loss: 0.0315

Epoch [84/200], Loss: 0.0306

Epoch [85/200], Loss: 0.0299

Epoch [86/200], Loss: 0.0357

Epoch [87/200], Loss: 0.0307

Epoch [88/200], Loss: 0.0241

Epoch [89/200], Loss: 0.0213

Epoch [90/200], Loss: 0.0227

Epoch [91/200], Loss: 0.0236

Epoch [92/200], Loss: 0.0224

Epoch [93/200], Loss: 0.0254

Epoch [94/200], Loss: 0.0271

Epoch [95/200], Loss: 0.0268

Epoch [96/200], Loss: 0.0197

Epoch [97/200], Loss: 0.0211

Epoch [98/200], Loss: 0.0191

Epoch [99/200], Loss: 0.0161

Epoch [100/200], Loss: 0.0158

Epoch [101/200], Loss: 0.0163

Epoch [102/200], Loss: 0.0191

Epoch [103/200], Loss: 0.0166

Epoch [104/200], Loss: 0.0168

Epoch [105/200], Loss: 0.0183

Epoch [106/200], Loss: 0.0224

Epoch [107/200], Loss: 0.0202

Epoch [108/200], Loss: 0.0240

Epoch [109/200], Loss: 0.0152

Epoch [110/200], Loss: 0.0180

Epoch [111/200], Loss: 0.0174

Epoch [112/200], Loss: 0.0130

Epoch [113/200], Loss: 0.0148

Epoch [114/200], Loss: 0.0171

Epoch [115/200], Loss: 0.0135

Epoch [116/200], Loss: 0.0151

Epoch [117/200], Loss: 0.0122

Epoch [118/200], Loss: 0.0168

Epoch [119/200], Loss: 0.0183

Epoch [120/200], Loss: 0.0151

Epoch [121/200], Loss: 0.0151

Epoch [122/200], Loss: 0.0118

Epoch [123/200], Loss: 0.0121

Epoch [124/200], Loss: 0.0115

Epoch [125/200], Loss: 0.0130

Epoch [126/200], Loss: 0.0105

Epoch [127/200], Loss: 0.0132

Epoch [128/200], Loss: 0.0113

Epoch [129/200], Loss: 0.0141

Epoch [130/200], Loss: 0.0136

Epoch [131/200], Loss: 0.0122

Epoch [132/200], Loss: 0.0125

Epoch [133/200], Loss: 0.0103

Epoch [134/200], Loss: 0.0137

Epoch [135/200], Loss: 0.0132

Epoch [136/200], Loss: 0.0126

Epoch [137/200], Loss: 0.0131

Epoch [138/200], Loss: 0.0121

Epoch [139/200], Loss: 0.0136

Epoch [140/200], Loss: 0.0110

Epoch [141/200], Loss: 0.0155

Epoch [142/200], Loss: 0.0109

Epoch [143/200], Loss: 0.0124

Epoch [144/200], Loss: 0.0104

Epoch [145/200], Loss: 0.0091

Epoch [146/200], Loss: 0.0071

Epoch [147/200], Loss: 0.0076

Epoch [148/200], Loss: 0.0092

Epoch [149/200], Loss: 0.0053

Epoch [150/200], Loss: 0.0079

Epoch [151/200], Loss: 0.0062

Epoch [152/200], Loss: 0.0063

Epoch [153/200], Loss: 0.0075

Epoch [154/200], Loss: 0.0073

Epoch [155/200], Loss: 0.0063

Epoch [156/200], Loss: 0.0099

Epoch [157/200], Loss: 0.0092

Epoch [158/200], Loss: 0.0081

Epoch [159/200], Loss: 0.0082

Epoch [160/200], Loss: 0.0099

Epoch [161/200], Loss: 0.0066

Epoch [162/200], Loss: 0.0072

Epoch [163/200], Loss: 0.0078

Epoch [164/200], Loss: 0.0076

Epoch [165/200], Loss: 0.0077

Epoch [166/200], Loss: 0.0057

Epoch [167/200], Loss: 0.0060

Epoch [168/200], Loss: 0.0064

Epoch [169/200], Loss: 0.0057

Epoch [170/200], Loss: 0.0050

Epoch [171/200], Loss: 0.0050

Epoch [172/200], Loss: 0.0052

Epoch [173/200], Loss: 0.0055

Epoch [174/200], Loss: 0.0065

Epoch [175/200], Loss: 0.0074

Epoch [176/200], Loss: 0.0072

Epoch [177/200], Loss: 0.0080

Epoch [178/200], Loss: 0.0066

Epoch [179/200], Loss: 0.0055

Epoch [180/200], Loss: 0.0049

Epoch [181/200], Loss: 0.0052

Epoch [182/200], Loss: 0.0049

Epoch [183/200], Loss: 0.0061

Epoch [184/200], Loss: 0.0069

Epoch [185/200], Loss: 0.0052

Epoch [186/200], Loss: 0.0054

Epoch [187/200], Loss: 0.0051

Epoch [188/200], Loss: 0.0052

Epoch [189/200], Loss: 0.0051

Epoch [190/200], Loss: 0.0069

Epoch [191/200], Loss: 0.0060

Epoch [192/200], Loss: 0.0079

Epoch [193/200], Loss: 0.0069

Epoch [194/200], Loss: 0.0068

Epoch [195/200], Loss: 0.0059

Epoch [196/200], Loss: 0.0049

Epoch [197/200], Loss: 0.0047

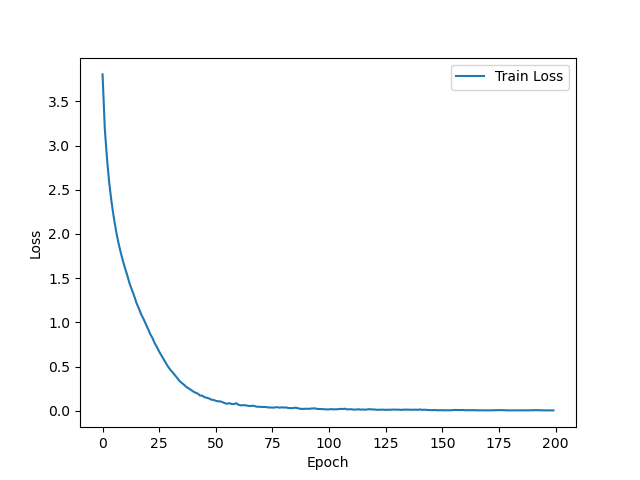
Epoch [198/200], Loss: 0.0052

Epoch [199/200], Loss: 0.0048

Epoch [200/200], Loss: 0.0049

Training finished!

Test Accuracy: 0.62



Cifar10\_original:

Epoch [1/150], Loss: 1.5357

Epoch [2/150], Loss: 1.1317

Epoch [3/150], Loss: 0.9275

Epoch [4/150], Loss: 0.8073

Epoch [5/150], Loss: 0.7192

Epoch [6/150], Loss: 0.6505

Epoch [7/150], Loss: 0.6023

Epoch [8/150], Loss: 0.5612

Epoch [9/150], Loss: 0.5259

Epoch [10/150], Loss: 0.4951

Epoch [11/150], Loss: 0.4726

Epoch [12/150], Loss: 0.4437

Epoch [13/150], Loss: 0.4182

Epoch [14/150], Loss: 0.4026

Epoch [15/150], Loss: 0.3843

Epoch [16/150], Loss: 0.3626

Epoch [17/150], Loss: 0.3526

Epoch [18/150], Loss: 0.3351

Epoch [19/150], Loss: 0.3182

Epoch [20/150], Loss: 0.3115

Epoch [21/150], Loss: 0.3016

Epoch [22/150], Loss: 0.2847

Epoch [23/150], Loss: 0.2763

Epoch [24/150], Loss: 0.2639

Epoch [25/150], Loss: 0.2524

Epoch [26/150], Loss: 0.2467

Epoch [27/150], Loss: 0.2361

Epoch [28/150], Loss: 0.2273

Epoch [29/150], Loss: 0.2192

Epoch [30/150], Loss: 0.2085

Epoch [31/150], Loss: 0.2061

Epoch [32/150], Loss: 0.1973

Epoch [33/150], Loss: 0.1866

Epoch [34/150], Loss: 0.1853

Epoch [35/150], Loss: 0.1757

Epoch [36/150], Loss: 0.1757

Epoch [37/150], Loss: 0.1656

Epoch [38/150], Loss: 0.1624

Epoch [39/150], Loss: 0.1528

Epoch [40/150], Loss: 0.1504

Epoch [41/150], Loss: 0.1446

Epoch [42/150], Loss: 0.1408

Epoch [43/150], Loss: 0.1344

Epoch [44/150], Loss: 0.1354

Epoch [45/150], Loss: 0.1280

Epoch [46/150], Loss: 0.1221

Epoch [47/150], Loss: 0.1222

Epoch [48/150], Loss: 0.1156

Epoch [49/150], Loss: 0.1131

Epoch [50/150], Loss: 0.1090

Epoch [51/150], Loss: 0.1051

Epoch [52/150], Loss: 0.0995

Epoch [53/150], Loss: 0.1005

Epoch [54/150], Loss: 0.0946

Epoch [55/150], Loss: 0.0956

Epoch [56/150], Loss: 0.0894

Epoch [57/150], Loss: 0.0887

Epoch [58/150], Loss: 0.0839

Epoch [59/150], Loss: 0.0867

Epoch [60/150], Loss: 0.0816

Epoch [61/150], Loss: 0.0775

Epoch [62/150], Loss: 0.0805

Epoch [63/150], Loss: 0.0758

Epoch [64/150], Loss: 0.0742

Epoch [65/150], Loss: 0.0710

Epoch [66/150], Loss: 0.0734

Epoch [67/150], Loss: 0.0677

Epoch [68/150], Loss: 0.0648

Epoch [69/150], Loss: 0.0649

Epoch [70/150], Loss: 0.0628

Epoch [71/150], Loss: 0.0600

Epoch [72/150], Loss: 0.0595

Epoch [73/150], Loss: 0.0624

Epoch [74/150], Loss: 0.0537

Epoch [75/150], Loss: 0.0569

Epoch [76/150], Loss: 0.0562

Epoch [77/150], Loss: 0.0539

Epoch [78/150], Loss: 0.0541

Epoch [79/150], Loss: 0.0480

Epoch [80/150], Loss: 0.0521

Epoch [81/150], Loss: 0.0432

Epoch [82/150], Loss: 0.0502

Epoch [83/150], Loss: 0.0446

Epoch [84/150], Loss: 0.0477

Epoch [85/150], Loss: 0.0501

Epoch [86/150], Loss: 0.0450

Epoch [87/150], Loss: 0.0439

Epoch [88/150], Loss: 0.0438

Epoch [89/150], Loss: 0.0439

Epoch [90/150], Loss: 0.0415

Epoch [91/150], Loss: 0.0427

Epoch [92/150], Loss: 0.0452

Epoch [93/150], Loss: 0.0392

Epoch [94/150], Loss: 0.0401

Epoch [95/150], Loss: 0.0361

Epoch [96/150], Loss: 0.0361

Epoch [97/150], Loss: 0.0371

Epoch [98/150], Loss: 0.0363

Epoch [99/150], Loss: 0.0366

Epoch [100/150], Loss: 0.0343

Epoch [101/150], Loss: 0.0355

Epoch [102/150], Loss: 0.0354

Epoch [103/150], Loss: 0.0316

Epoch [104/150], Loss: 0.0296

Epoch [105/150], Loss: 0.0325

Epoch [106/150], Loss: 0.0279

Epoch [107/150], Loss: 0.0312

Epoch [108/150], Loss: 0.0302

Epoch [109/150], Loss: 0.0289

Epoch [110/150], Loss: 0.0275

Epoch [111/150], Loss: 0.0297

Epoch [112/150], Loss: 0.0265

Epoch [113/150], Loss: 0.0300

Epoch [114/150], Loss: 0.0274

Epoch [115/150], Loss: 0.0289

Epoch [116/150], Loss: 0.0245

Epoch [117/150], Loss: 0.0279

Epoch [118/150], Loss: 0.0298

Epoch [119/150], Loss: 0.0284

Epoch [120/150], Loss: 0.0241

Epoch [121/150], Loss: 0.0221

Epoch [122/150], Loss: 0.0294

Epoch [123/150], Loss: 0.0240

Epoch [124/150], Loss: 0.0225

Epoch [125/150], Loss: 0.0236

Epoch [126/150], Loss: 0.0273

Epoch [127/150], Loss: 0.0243

Epoch [128/150], Loss: 0.0215

Epoch [129/150], Loss: 0.0203

Epoch [130/150], Loss: 0.0229

Epoch [131/150], Loss: 0.0259

Epoch [132/150], Loss: 0.0216

Epoch [133/150], Loss: 0.0202

Epoch [134/150], Loss: 0.0232

Epoch [135/150], Loss: 0.0191

Epoch [136/150], Loss: 0.0206

Epoch [137/150], Loss: 0.0199

Epoch [138/150], Loss: 0.0204

Epoch [139/150], Loss: 0.0215

Epoch [140/150], Loss: 0.0189

Epoch [141/150], Loss: 0.0199

Epoch [142/150], Loss: 0.0220

Epoch [143/150], Loss: 0.0183

Epoch [144/150], Loss: 0.0177

Epoch [145/150], Loss: 0.0179

Epoch [146/150], Loss: 0.0205

Epoch [147/150], Loss: 0.0161

Epoch [148/150], Loss: 0.0188

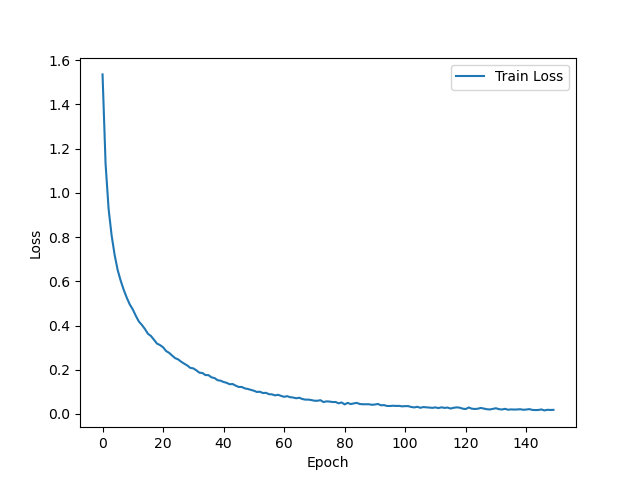
Epoch [149/150], Loss: 0.0181

Epoch [150/150], Loss: 0.0185

Training finished!

Files already downloaded and verified

Test Accuracy: 0.89



Cifar10\_dis:

Epoch [1/150], Loss: 1.4782

Epoch [2/150], Loss: 1.0435

Epoch [3/150], Loss: 0.8504

Epoch [4/150], Loss: 0.7377

Epoch [5/150], Loss: 0.6538

Epoch [6/150], Loss: 0.5937

Epoch [7/150], Loss: 0.5474

Epoch [8/150], Loss: 0.5130

Epoch [9/150], Loss: 0.4800

Epoch [10/150], Loss: 0.4514

Epoch [11/150], Loss: 0.4280

Epoch [12/150], Loss: 0.4041

Epoch [13/150], Loss: 0.3844

Epoch [14/150], Loss: 0.3695

Epoch [15/150], Loss: 0.3503

Epoch [16/150], Loss: 0.3358

Epoch [17/150], Loss: 0.3179

Epoch [18/150], Loss: 0.3034

Epoch [19/150], Loss: 0.2902

Epoch [20/150], Loss: 0.2847

Epoch [21/150], Loss: 0.2701

Epoch [22/150], Loss: 0.2591

Epoch [23/150], Loss: 0.2544

Epoch [24/150], Loss: 0.2376

Epoch [25/150], Loss: 0.2287

Epoch [26/150], Loss: 0.2215

Epoch [27/150], Loss: 0.2104

Epoch [28/150], Loss: 0.2095

Epoch [29/150], Loss: 0.1984

Epoch [30/150], Loss: 0.1921

Epoch [31/150], Loss: 0.1851

Epoch [32/150], Loss: 0.1829

Epoch [33/150], Loss: 0.1762

Epoch [34/150], Loss: 0.1682

Epoch [35/150], Loss: 0.1622

Epoch [36/150], Loss: 0.1506

Epoch [37/150], Loss: 0.1485

Epoch [38/150], Loss: 0.1436

Epoch [39/150], Loss: 0.1362

Epoch [40/150], Loss: 0.1375

Epoch [41/150], Loss: 0.1327

Epoch [42/150], Loss: 0.1236

Epoch [43/150], Loss: 0.1222

Epoch [44/150], Loss: 0.1197

Epoch [45/150], Loss: 0.1150

Epoch [46/150], Loss: 0.1090

Epoch [47/150], Loss: 0.1092

Epoch [48/150], Loss: 0.1004

Epoch [49/150], Loss: 0.1067

Epoch [50/150], Loss: 0.1037

Epoch [51/150], Loss: 0.0989

Epoch [52/150], Loss: 0.0906

Epoch [53/150], Loss: 0.0865

Epoch [54/150], Loss: 0.0889

Epoch [55/150], Loss: 0.0873

Epoch [56/150], Loss: 0.0826

Epoch [57/150], Loss: 0.0796

Epoch [58/150], Loss: 0.0765

Epoch [59/150], Loss: 0.0801

Epoch [60/150], Loss: 0.0740

Epoch [61/150], Loss: 0.0700

Epoch [62/150], Loss: 0.0719

Epoch [63/150], Loss: 0.0697

Epoch [64/150], Loss: 0.0688

Epoch [65/150], Loss: 0.0634

Epoch [66/150], Loss: 0.0584

Epoch [67/150], Loss: 0.0607

Epoch [68/150], Loss: 0.0586

Epoch [69/150], Loss: 0.0587

Epoch [70/150], Loss: 0.0570

Epoch [71/150], Loss: 0.0572

Epoch [72/150], Loss: 0.0515

Epoch [73/150], Loss: 0.0574

Epoch [74/150], Loss: 0.0513

Epoch [75/150], Loss: 0.0491

Epoch [76/150], Loss: 0.0457

Epoch [77/150], Loss: 0.0478

Epoch [78/150], Loss: 0.0464

Epoch [79/150], Loss: 0.0458

Epoch [80/150], Loss: 0.0436

Epoch [81/150], Loss: 0.0429

Epoch [82/150], Loss: 0.0410

Epoch [83/150], Loss: 0.0407

Epoch [84/150], Loss: 0.0415

Epoch [85/150], Loss: 0.0431

Epoch [86/150], Loss: 0.0415

Epoch [87/150], Loss: 0.0343

Epoch [88/150], Loss: 0.0349

Epoch [89/150], Loss: 0.0400

Epoch [90/150], Loss: 0.0390

Epoch [91/150], Loss: 0.0342

Epoch [92/150], Loss: 0.0355

Epoch [93/150], Loss: 0.0338

Epoch [94/150], Loss: 0.0324

Epoch [95/150], Loss: 0.0339

Epoch [96/150], Loss: 0.0376

Epoch [97/150], Loss: 0.0314

Epoch [98/150], Loss: 0.0402

Epoch [99/150], Loss: 0.0330

Epoch [100/150], Loss: 0.0289

Epoch [101/150], Loss: 0.0268

Epoch [102/150], Loss: 0.0279

Epoch [103/150], Loss: 0.0270

Epoch [104/150], Loss: 0.0272

Epoch [105/150], Loss: 0.0251

Epoch [106/150], Loss: 0.0329

Epoch [107/150], Loss: 0.0228

Epoch [108/150], Loss: 0.0274

Epoch [109/150], Loss: 0.0260

Epoch [110/150], Loss: 0.0221

Epoch [111/150], Loss: 0.0241

Epoch [112/150], Loss: 0.0291

Epoch [113/150], Loss: 0.0231

Epoch [114/150], Loss: 0.0262

Epoch [115/150], Loss: 0.0224

Epoch [116/150], Loss: 0.0231

Epoch [117/150], Loss: 0.0206

Epoch [118/150], Loss: 0.0235

Epoch [119/150], Loss: 0.0210

Epoch [120/150], Loss: 0.0220

Epoch [121/150], Loss: 0.0223

Epoch [122/150], Loss: 0.0223

Epoch [123/150], Loss: 0.0198

Epoch [124/150], Loss: 0.0191

Epoch [125/150], Loss: 0.0210

Epoch [126/150], Loss: 0.0216

Epoch [127/150], Loss: 0.0176

Epoch [128/150], Loss: 0.0183

Epoch [129/150], Loss: 0.0207

Epoch [130/150], Loss: 0.0184

Epoch [131/150], Loss: 0.0175

Epoch [132/150], Loss: 0.0161

Epoch [133/150], Loss: 0.0192

Epoch [134/150], Loss: 0.0184

Epoch [135/150], Loss: 0.0179

Epoch [136/150], Loss: 0.0168

Epoch [137/150], Loss: 0.0192

Epoch [138/150], Loss: 0.0195

Epoch [139/150], Loss: 0.0170

Epoch [140/150], Loss: 0.0188

Epoch [141/150], Loss: 0.0161

Epoch [142/150], Loss: 0.0173

Epoch [143/150], Loss: 0.0159

Epoch [144/150], Loss: 0.0167

Epoch [145/150], Loss: 0.0132

Epoch [146/150], Loss: 0.0164

Epoch [147/150], Loss: 0.0146

Epoch [148/150], Loss: 0.0131

Epoch [149/150], Loss: 0.0167

Epoch [150/150], Loss: 0.0135

Training finished!

Files already downloaded and verified

Test Accuracy: 0.89

Test Loss: 0.5396

A graph of a line

Description automatically generated