PYTORCH
HUB

Discover an u lish mo els to a re-traine mo el re ository esigne for research ex loration.
Check out the mo els for Researchers, or learn How It Works.

Contri ute Mo els

**This is a beta release - we will be collecting feedback and improving the PyTorch Hub over the coming months.*

FOR RESEARCHERS —

EXPLORE AND EXTEND MODELS FROM THE LATEST C TTING EDGE RESEARCH

3D ResNet 1.7k

Resnet Style Vi eo classification networks retraine on the Kinetics 400 ataset

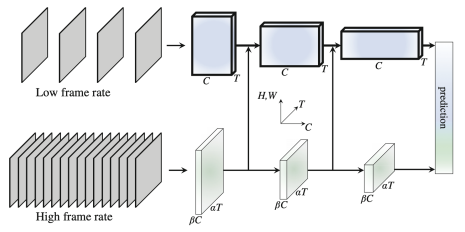
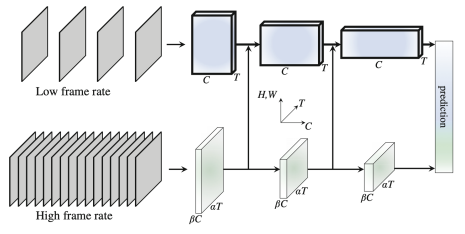


Figure 1. **A SlowFast network** has a low frame rate, low temporal resolution *Slow* pathway and a high frame rate, $\alpha\times$ higher temporal resolution *Fast* pathway. The Fast pathway is lightweight by using a fraction (β, *e.g.*, 1/8) of channels. Lateral connections fuse them.

SlowFast 1.7k

SlowFast networks retraine on the Kinetics 400 ataset



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X3D 1.7k

X3D networks retraine on the Kinetics 400 ataset

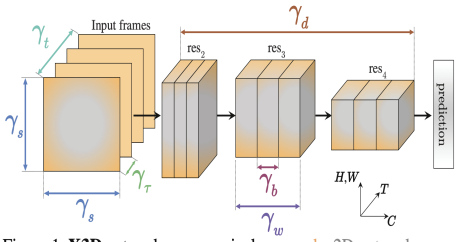
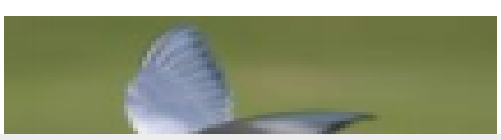


Figure 1. **X3D** networks progressively expand a 2D network across the following axes: Temporal duration γ_t, frame rate γ_τ, spatial resolution γ_s, width γ_w, bottleneck width γ_b, and depth γ_d.

MiDaS

MiDaS mo els for com uting relative e th from a single image.

ntsnet 19



Reference im lementation for music source se aration

All Research Mo els (42)

HOW IT WORKS —

P BLISHING MODELS

PyTorch Hu su orts u lishing re-traine mo els (mo el efinitions an re-traine weights) to a GitHu re ository y a ing a sim le `hubconf.py` file.

LOADING MODELS

sers can loa re-traine mo els using `torch.hub.load()` API. Here's an exam le showing how to loa the `resnet18` entry oint from the `pytorch/vision` re o.

```
model = torch.hub.load('pytorch/vision', 'resnet18',
pretrained=True)
```

See Full Documentation

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