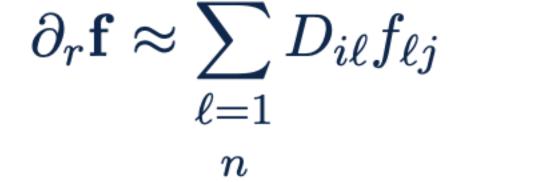```
comm = commi.COMM_WORLD
bufs = ...
requests = [comm.Irecv(
            for i, n in
            ]
do other work
...

for i, r in enumerate(r
    r.wait()
    processFn(bufs[i]
```

$$\partial_r \mathbf{f} \approx \sum_{\ell=1}^{n} D_{i\ell} f_{\ell j}$$

$$\partial_s \mathbf{f} \approx \sum_{\ell=1}^{n} D_{j\ell} f_{i\ell}$$

**Node 0**

GPU0  GPU1

GPU2  GPU3