

# Different parameters

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Default parameters:

```
n_max = 47          # shtools n_max

SDxi_med = 1        # median of the statio fld S(x)
SDxi_add = SDxi_med /10 # minimal SDxi
lambda_add = dx/3    # minimal lambda(x): accounts for the grid resolution
lambda_med = dx*3    # median lambda(x): the desired median length scale
gamma_add = 1.0      # minimal gamma(x): avoid too low gamma ==> weird crf
gamma_med = 4.0      # S1: 3.0 yields almost AR2 cvf (S2: gamma=3.1 yields AR2)
```

# 1 Parameters of bands

```
halfwidth_multiplier: float = 1
nc2_multiplier: float = 1.5
q_tranfu: int = 3 # 2, 3
```

```
expq_bands_params = {
    'n_max': n_max, 'nband': 6,
    'halfwidth_min': 1.5 * n_max/30 * halfwidth_multiplier,
    'halfwidth_max': 1.2 * n_max / 4 * halfwidth_multiplier,
    'nc2': nc2_multiplier * n_max / 22,
    'q_tranfu': q_tranfu, 'rectang': False
}
```

