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import numpy as np
import matplotlib.pyplot as plt
import gstools as gs
# condtions
cond_pos = [0.3, 1.9, 1.1, 3.3, 4.7]
cond_val = [0.47, 0.56, 0.74, 1.47, 1.74]
gridx = np.linspace(0.0, 15.0, 151)
# conditioned random field setup
model = gs.Gaussian(dim=1, var=0.5, len_scale=1.5)
krige = gs.krige.Ordinary(model, cond_pos, cond_val)
cond_srf = gs.CondSRF(krige)
fields = []
for i in range(100):
    fields.append(cond_srf(gridx, seed=i))
```

