chains_analysis

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In [1]: import numpy as np
        import matplotlib.pyplot as plt
        import emcee
        import corner
In [2]: filename = 'chains/test.chains'
        name = '000'
        burnin = 500
        thin = 1
In [3]: reader = emcee.backends.HDFBackend(filename, name=name, read_only=True)
        samples = reader.get_chain(discard=burnin, thin=thin, flat=True)
        print 'number of samples =', samples.shape[0]
number of samples = 52000
In [4]: lnpos = reader.get_log_prob(discard=burnin, flat=True)
        bf = samples[np.argmax(lnpos),:]
        print 'best fit = ', bf
best fit = [ 9.99936978e-01 9.57827218e-01 8.29767814e-04]
In [5]: for i in range(samples.shape[1]):
            plt.plot(samples[:,i])
            plt.show()
```







