

documentation

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Function for intensity

Function **g.m()**

1. calculate $\exp\{\exp(\theta_3)(\mathbf{m}_h - M_0)\}$
2. \mathbf{m} vector of past magnitudes
3. M_0 magnitude of completeness

Function **g.t()**

1. calculate $1/(t - \mathbf{t}_h + \exp \theta_4)^{\exp(\theta_5)+1}$
2. t time of evaluation (single value)
3. \mathbf{t}_h vector of past magnitudes

Function **g.s()**

1. calculate $(1/2\pi|\Sigma|) \exp\{(\mathbf{s} - \mathbf{s}_{h,i})^t \Sigma^{-1}(\mathbf{s} - \mathbf{s}_{h,i})\}$
2. \mathbf{s} location of evaluation (single location)
3. $\{s_{h,i}, i = 1, \dots, N\}$ past locations (multiple)