Fig. 1. Time course of 15-channel recording from striate cortex of an awake monkey. Local field potentials (LFP) recorded simultaneously from layers 2/3. The data are band-passed at 30–70 Hz. At 100 ms a sustained visual stimulus was switched on, covering the receptive field positions of all recording locations. Note the fast changes in the internal phase relations of the traveling waves (frequency around 55 Hz; color coded amplitudes). They can change from phase-lead over synchrony (exactly perpendicular) to phase-lag and vice versa within 50–200 ms.
Fig. 7. Basic model of common spike density modulation in a local population of excitatory neurons by a common inhibitory feedback neuron. Note that first-spike latencies in each modulation cycle at the outputs (right) are roughly inversely proportional to the input spike densities (profiles at left), whereas the output spike rates are proportional to it.
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