



Fig. 42.6. Contour plots of temperature calculated from temperature–depth transects in the Müggelsee (Germany), showing the response of a shallow lake to various winds. The x axis characterizes a cross section through the near-elliptical lake. The prevailing wind directions and speeds are given above each plot. the Wedderburn numbers W were 7.0 in (a), 1.0 in (b), and 0.9 in (c). The mean stratification differed slightly between (b) and (c). Whereas in (b) the main temperature gradient occurred in the lower part of the water column, in (c) stratification was stronger in the upper part. After the wind had ceased, the lake restratified horizontally and internal seiche became established in both cases.