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The 10 minute averaged wind speed can be used to analyse catenary moorings if the effect of wind dynamics on the line tension is shown to be insignificant. 7.5.5 For inshore or quayside moorings care must be taken to ensure that all natural periods of response of the system have been considered.

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Optionally the dynamic behaviour of the mooring system can be computed in conjunction with the first and second order motions of the vessel. Two approaches are possible to model a mooring system in aNySim: - the quasi-static approach: the shape and tension of mooring lines are derived from catenary formulations.

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