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6 1. MATHEMATICAL MODELING AND SIMULATION. Figure 4 vaporize and two phases at the equilibrium with each other will be present in the flash drum. The equilibrium relationships are \hat{T} Temperature of the liquid phase = temperature of the vapor phase. \hat{P} Pressure of the liquid phase = pressure of the vapor phase.

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14 Mathematical Methods of Theoretical Physics For a more general discussion of projections, see also page 27. Subsequently, in order to obtain an orthonormal basis, one can divide every basis vector by its length. The idea of the proof is as follows (see also Greub 9, section 7.9). In 9 Werner Greub.

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