

Glossary

Directly mentioned in the lecture

saturated mixture two-phase mixture of liquid and vapor in thermodynamic equilibrium at a given pressure or temperature. It occurs at exactly one $T = T_{\text{sat}}$ and $P = P_{\text{sat}}$. The 'quality' x is the fraction of the mass that is a vapor. In every day life - this is the point when boiling a pot of pasta where the bubbles start to form. Steam and water coexist at this T, P .

wet steam steam with quality < 1

quality x literally the fraction of mass that is vapor. When boiling a pot of pasta water, the quality starts at 0 and increases as more liquid vaporizes.

Somewhat related

IAPWS-IF97 standard ?

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