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Exploring Indonesian preservice physics teachers' development of physics identity and physics teacher identity

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Exploring Indonesian Preservice Physics Teachers' Development of Physics Identity and Physics Teacher Identity

The role of multiple representations

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 groningen

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The role of multiple representations

PhD thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. C. Wijmenga
and in accordance with
the decision by the College of Deans.

This thesis will be defended in public on

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$$\frac{V_1}{V_2} = \frac{2}{1}$$

$$T_A = \frac{P_i V_i}{nR}$$

$$\frac{V_1}{V_2} = \frac{Ah}{A \frac{h}{2}}$$

Room Temperature
25°C

$$T_B = \frac{3P_i V_i}{nR}$$

$$T_1 = \frac{PV_1}{n_1 R}$$

$$T_2 = \frac{PV_2}{n_2 R}$$

$$T_C = \frac{9P_i V_i}{nR}$$

$$T_D = \frac{3P_i V_i}{nR}$$