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(W/C)

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1. Water Glass
 2. Sprayed Concrete
 3. Lukas, Walter
 4. Kusteler, Wolfgang
 5. Nike, Swanell
 6. Tom, Mallby

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$\text{Na}_2\text{O} \cdot 4\text{SiO}_2$ $\text{Na}_2\text{O} \cdot \text{SiO}_2$

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SiO_2

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$[\text{SiO}_4]^{4-}$

/ / / (W/C)

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$[\text{SiO}_4]^{4-}$

W/C

SiO_2

SiO_2 []

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Si

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Si

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f'_{t7} f'_{c90} f'_{c28} f'_{c7} - -
 E_{c90} E_{c28} E_{c7} f'_{t90} f'_{t28}

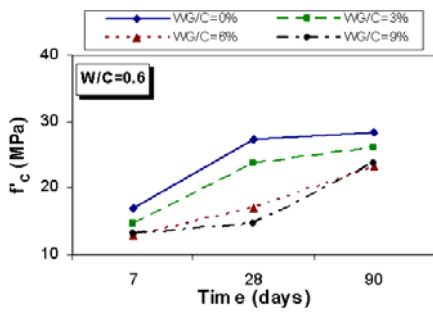
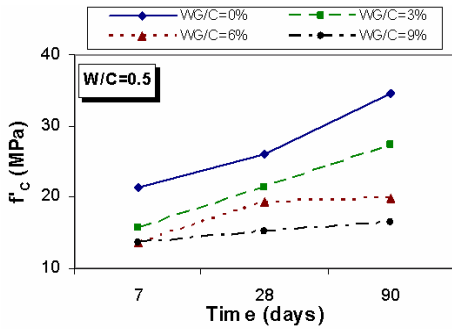
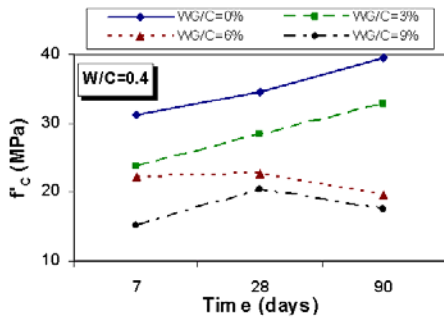
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(MPa)

	W/C	WG/C	f'_{c7}	f'_{c28}	f'_{c90}	f'_{t7}	f'_{t28}	f'_{t90}	E_{c7}	E_{c28}	E_{c90}
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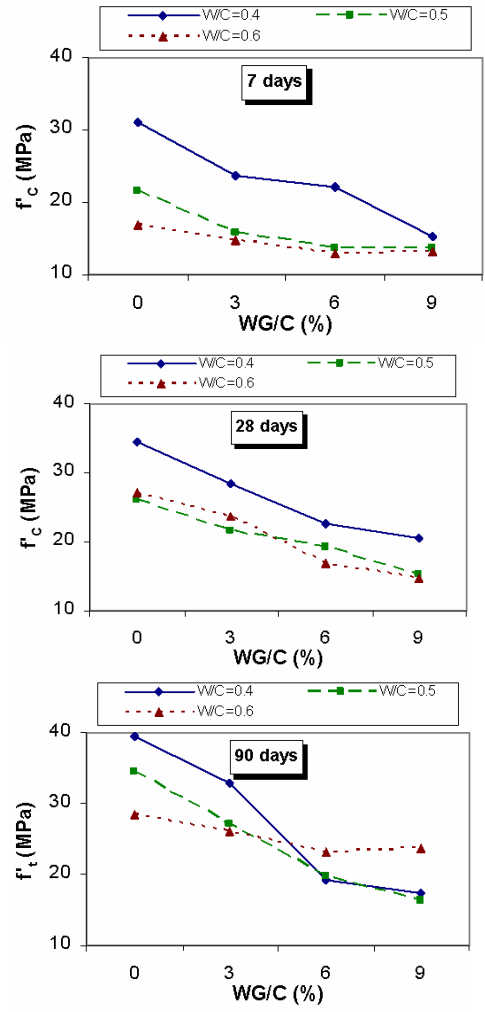
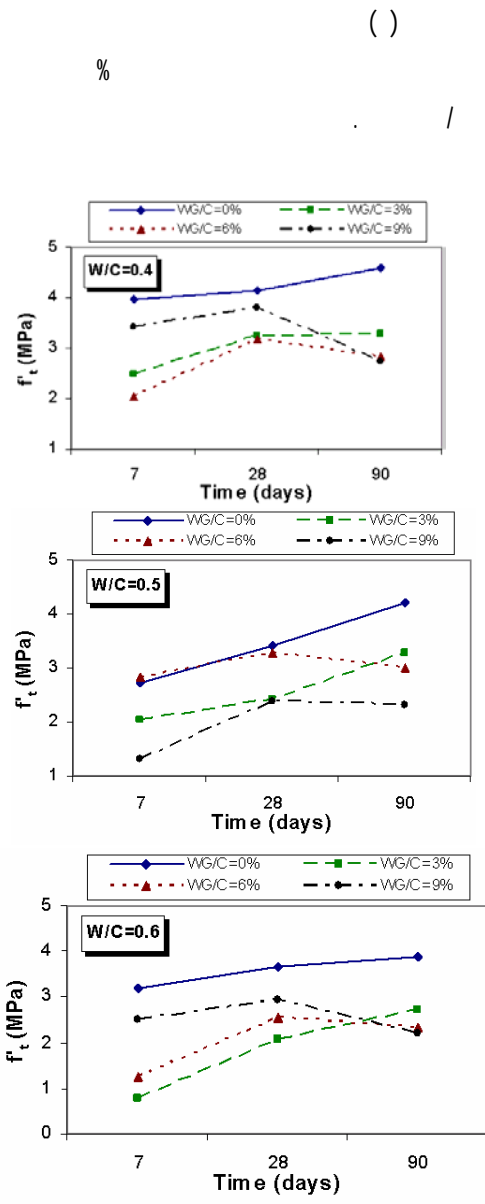
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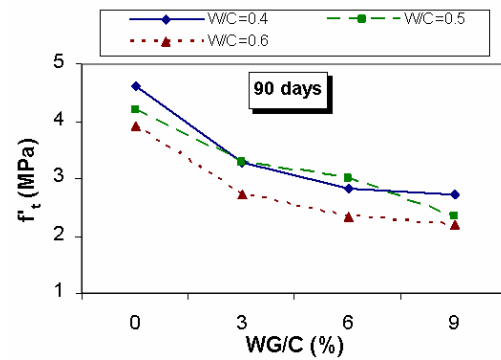
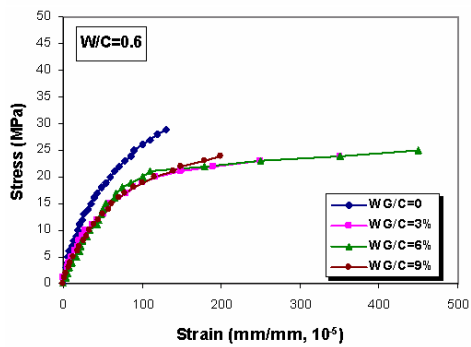
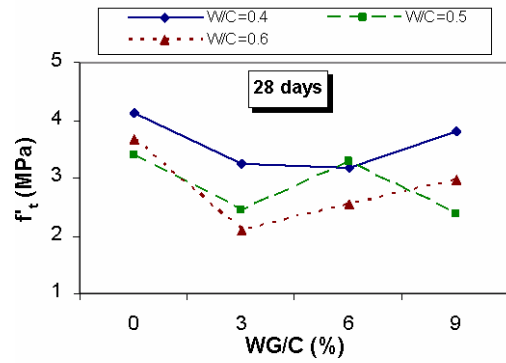
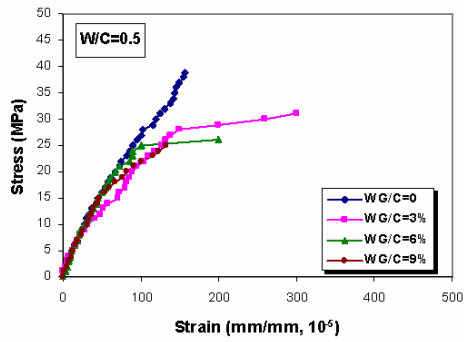
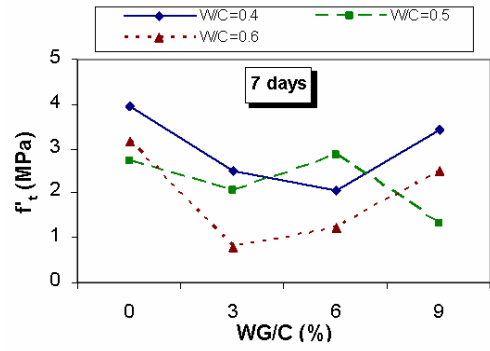
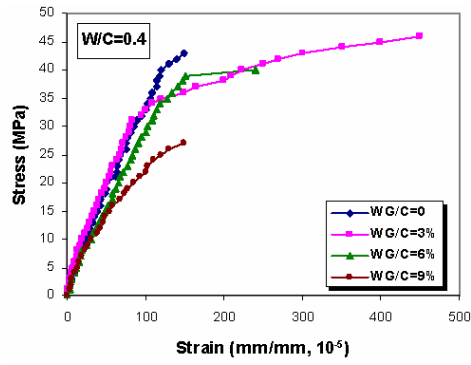
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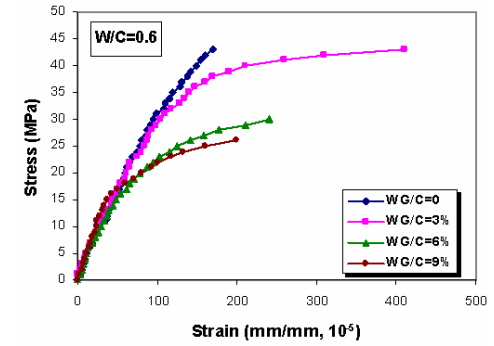
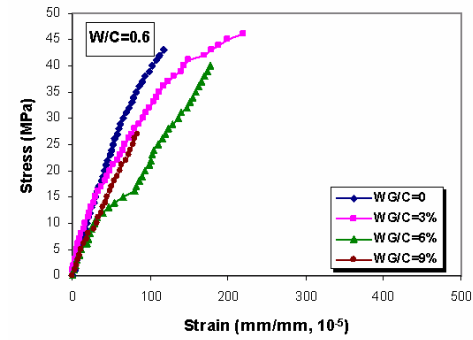
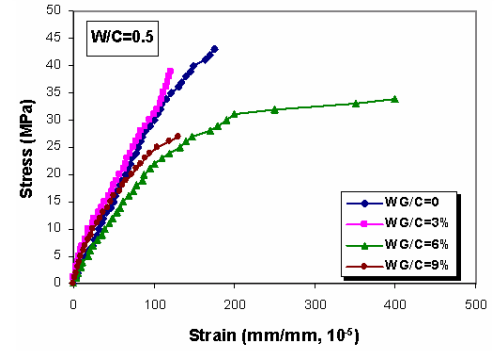
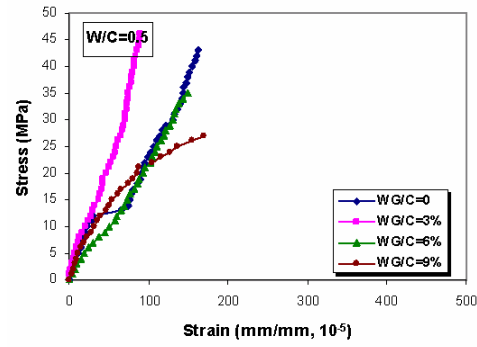
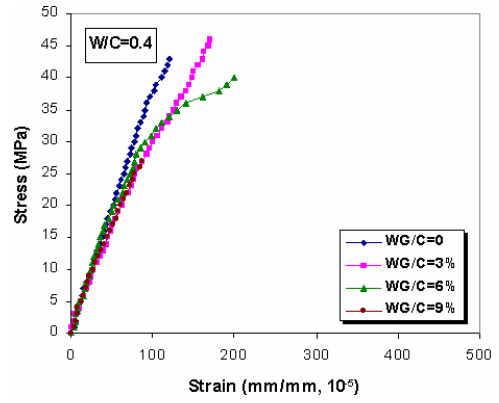
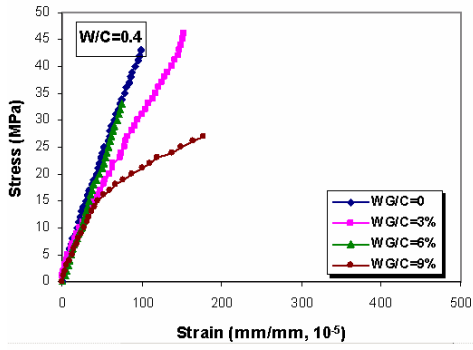
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[8] ASTM C192-95, "Standard Practice for Making and Curing concrete Test specimens in the Laboratory," American Society for testing and materials, Vol. 04.02, pp. 111-117, 1997.

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/ W/C

f'_{c7}

f'_{c28}

f'_{c90}

f'_{t7}

f'_{t28}

f'_{t90}

E_c

W/C

WG/C

W/C

