

### Sand craters and dunes (10.0 points)

### A. Impact craters

**A.1 (0.6pt)**

$D$ (mm)					
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$$D = \quad \pm \quad \text{mm}$$

**A.2 (0.5pt)**

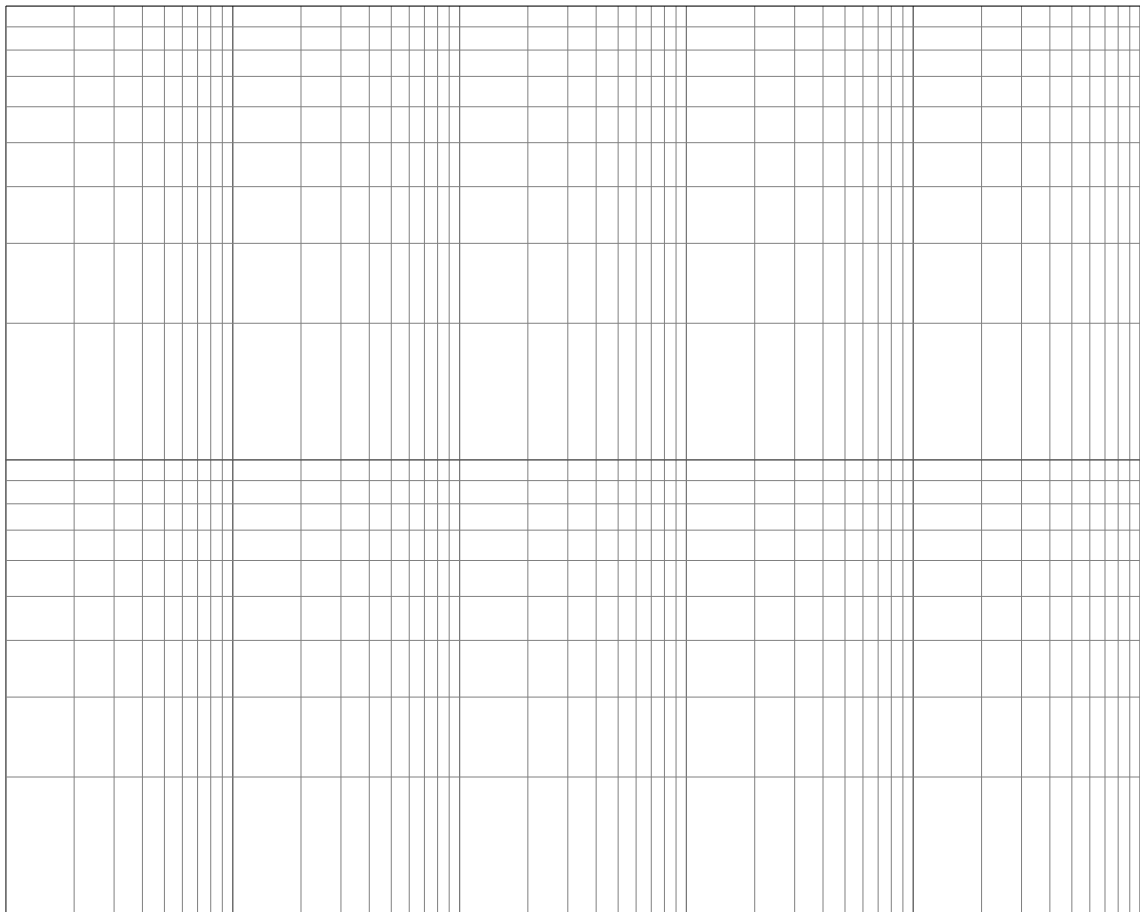
$$h_{\max} =$$

$d$ (mm)				
$h_{\max}$ (m)				

**A.3 (1.7pt)**

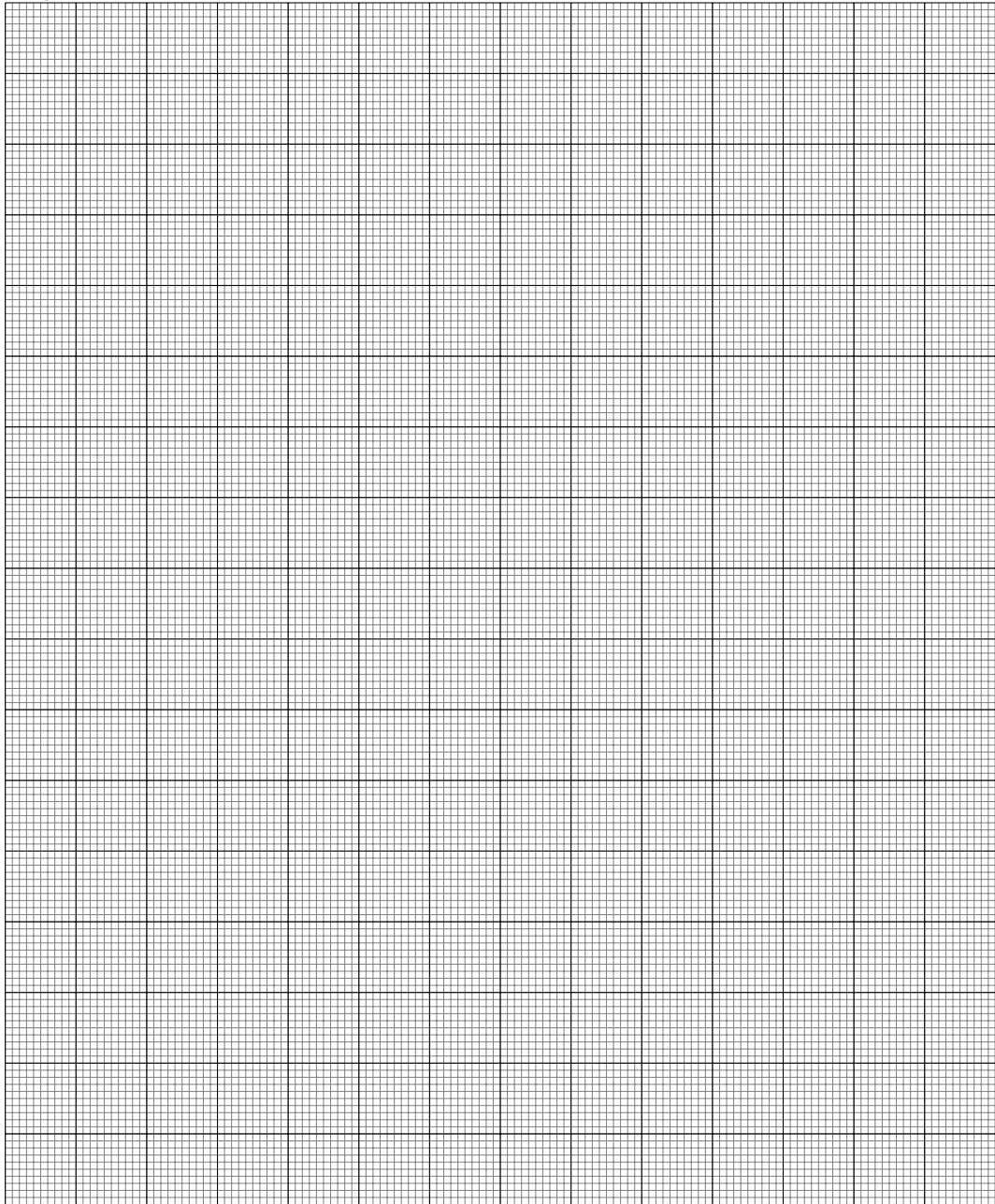
[illegible]

A.4 (1.2pt)



Conclusion:

A.4 (cont.)



Conclusion:

## B. Rolling and bogging in sand

**B.1** (0.4pt)

$$x(t) =$$

**B.2 (0.7pt)**

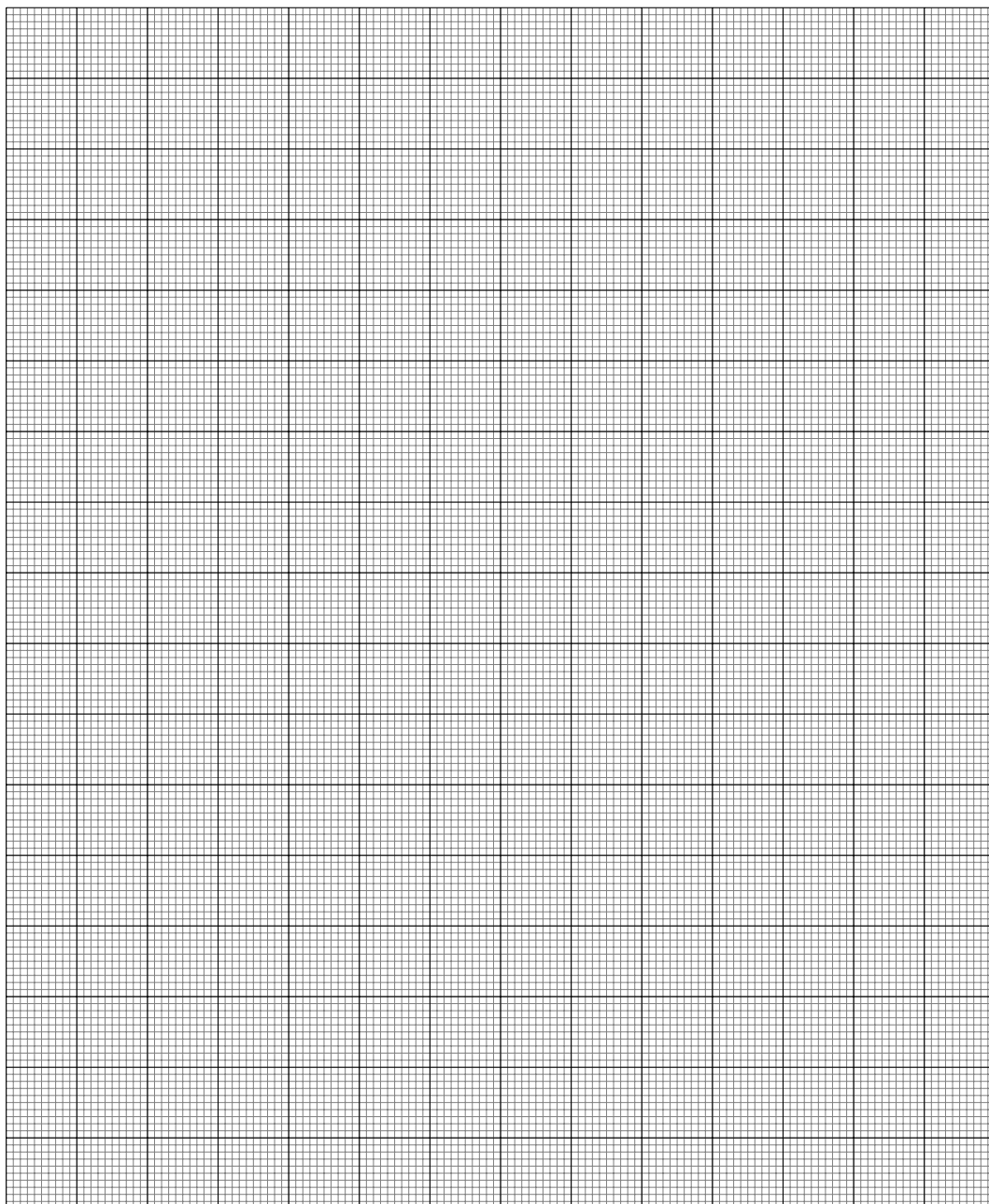
$t_{50}$ (s)					
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$$t_{50} = \pm S$$

**B.3 (0.8pt)**

[illegible]

**B.4** (1pt)



$g =$

B.5 (0.6pt)

Model 1:

•  $L =$

•  $\alpha =$

Model 2:

•  $L =$

•  $\alpha =$

B.6 (0.8pt)

$L_{50}$ (cm)					
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$L_{50} = \quad \pm \quad \text{cm}$

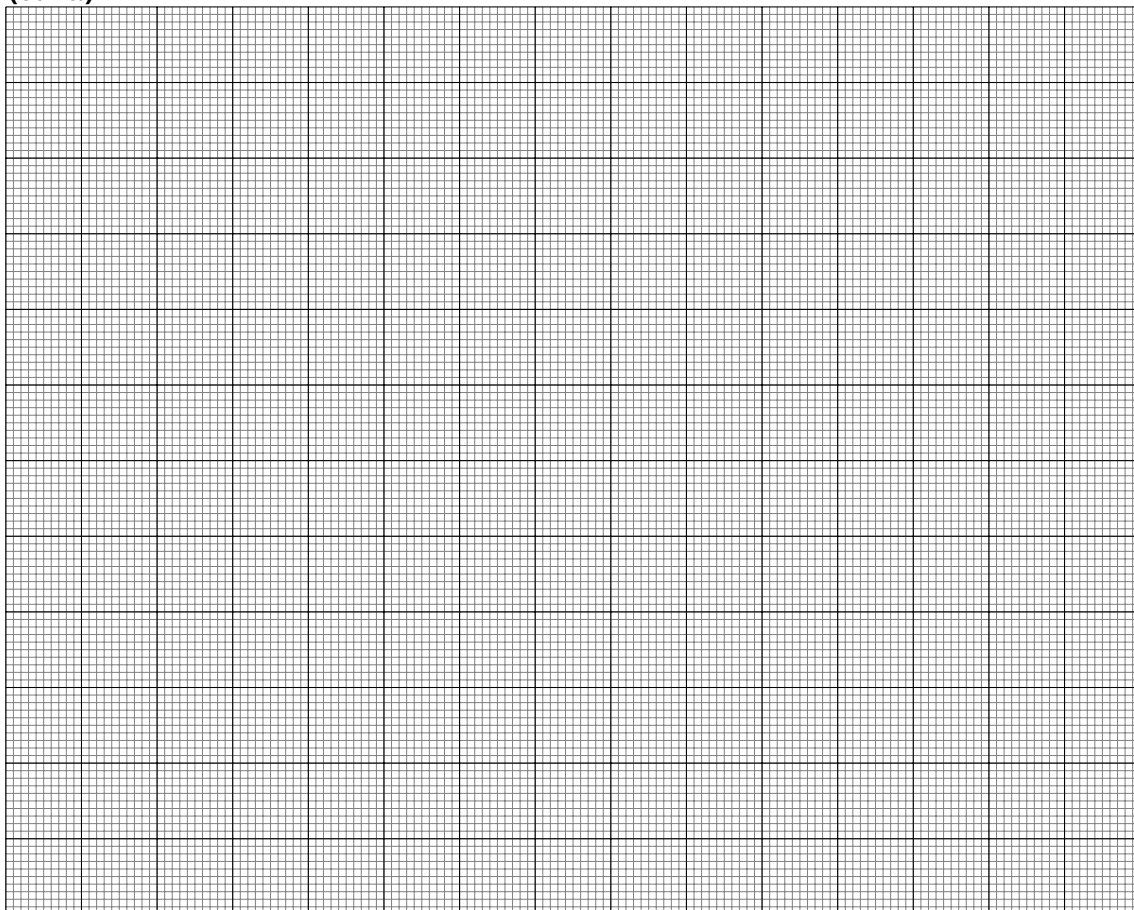
人声

# A2-7

**B.7** (1.5pt)

[illegible]

## B.7 (cont.)



The most suitable model is:

## B.8 (0.2pt)

If the chosen model is model 1:  $\mu_{\text{eff}} =$

If the chosen model is model 2:  $k =$