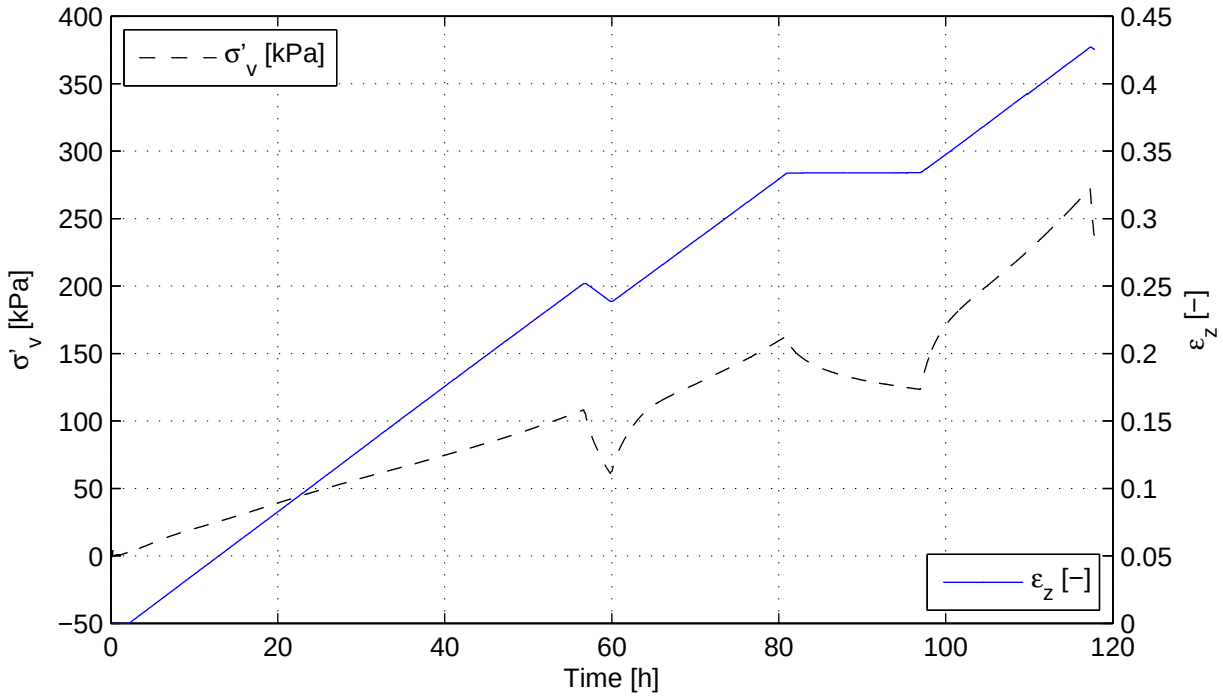


Description of soil sample:

Soil description (NEN 5104)	Veen, mineraalarm, rietr..
Unit weight saturated soil [kN/m^3]	9.9
Unit weight dry soil [kN/m^3]	1.9
Water content [%]	410.4
Water content final [%]	288.2
Void ratio − initial [−]	4.35 (e)
Sample disturbance index [%]	6.8, moderate quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	120
Stress unloading phase [kPa]	60
Stress reloading phase [kPa]	180
Stress relaxation phase [kPa]	180
Maximum stress [kPa]	300

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2016−11−09	luije_sa

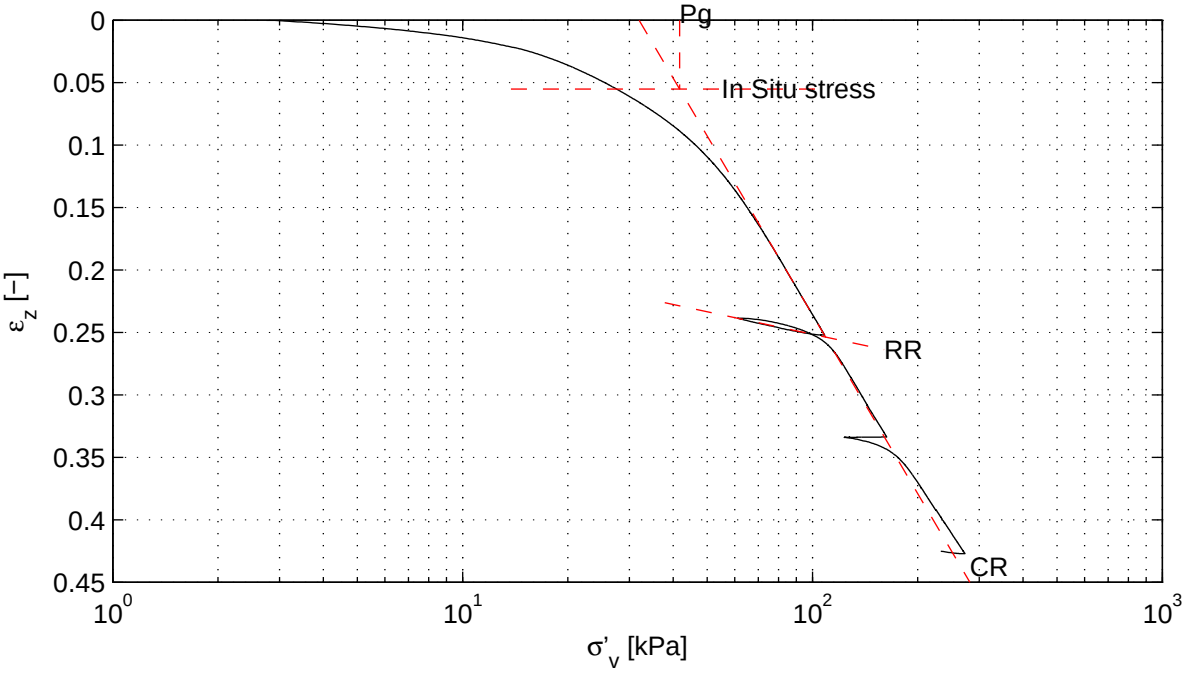
LdB proeven

Boring MB−09, sample 126, depth: −4.02 m to −4.07 m NAP

K0−CRS measurement

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appendix	page
CRS126	1

NEN method

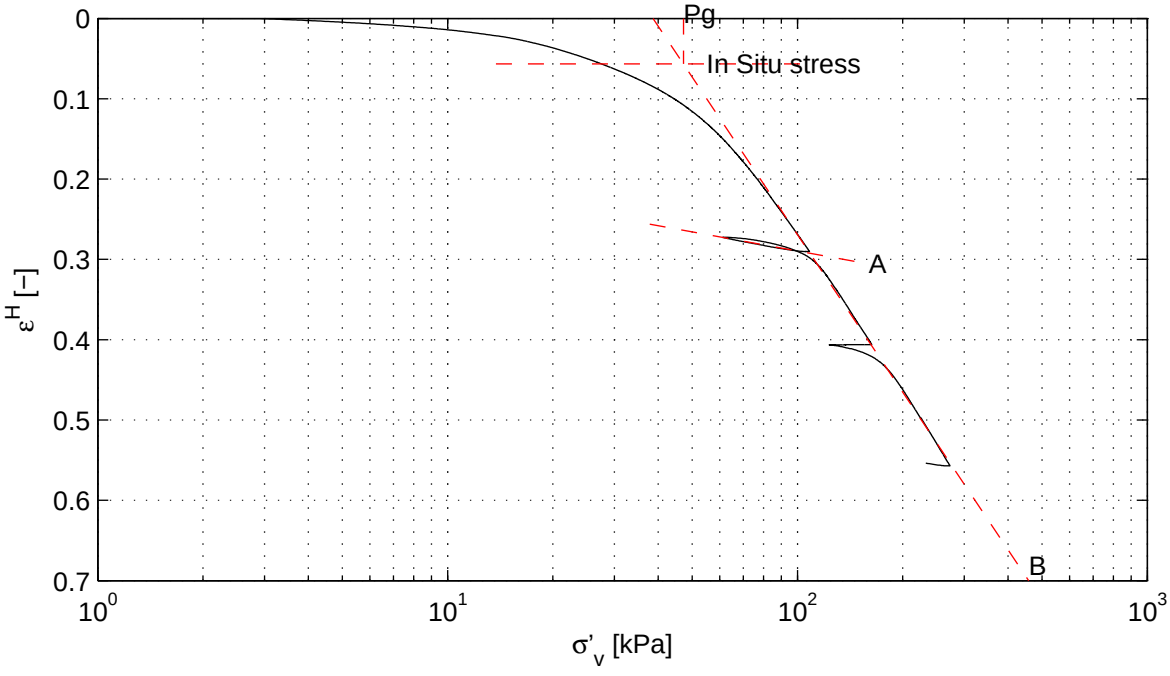


RR = 6.0e−02
CR = 4.8e−01

C_α = 4.5e−02

Pg = 41.7 kPa

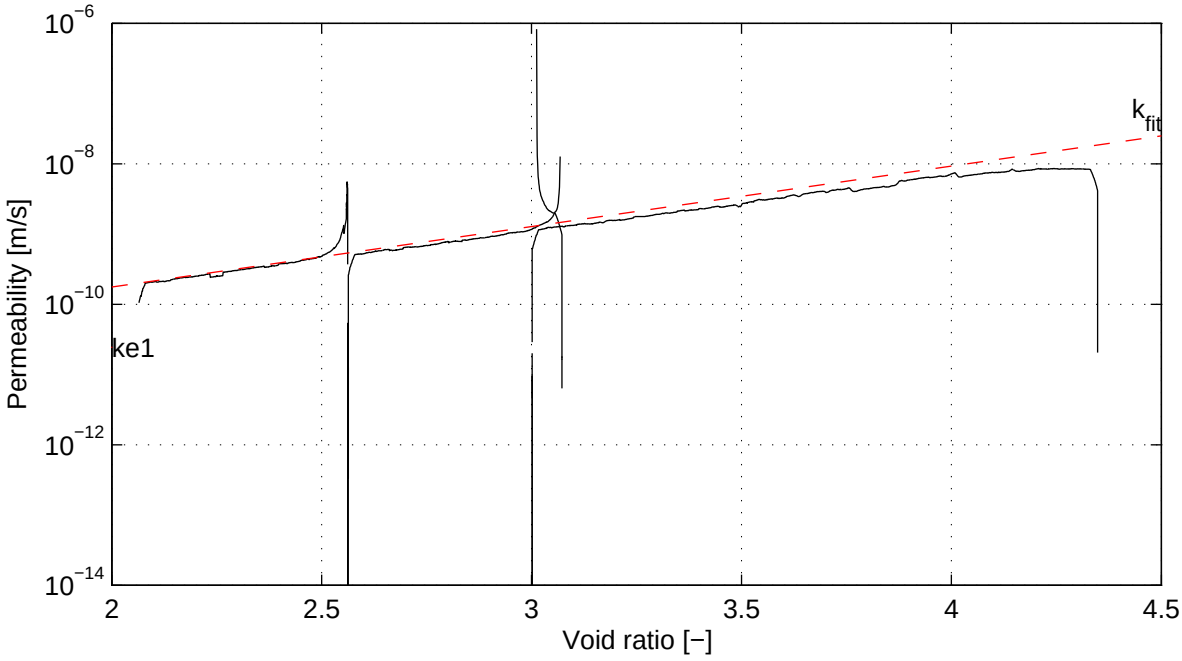
Isotachen method



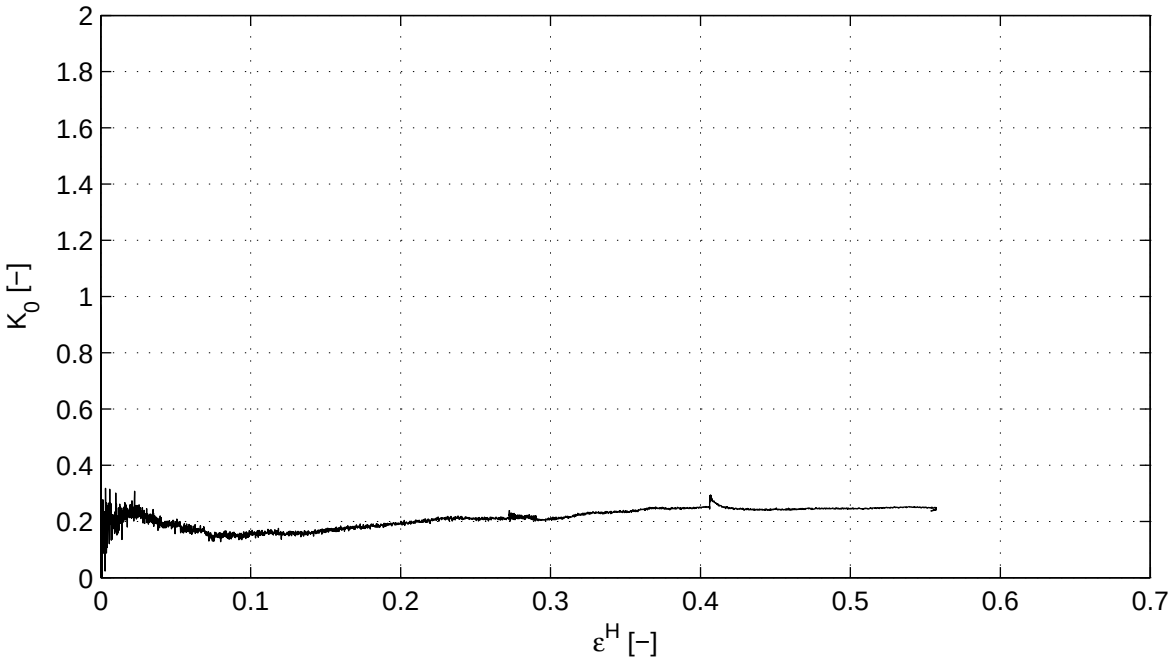
A = 3.4e−02
B = 2.8e−01

C = 2.7e−02

Pg = 47.2 kPa



k_{e1} = 2.4e−11 m/s k_{e0} = 1.8e−08 m/s slope = 8.60e−01



ν = 0.18 K_{0m} = 0.25 K_{0e} = 0.25

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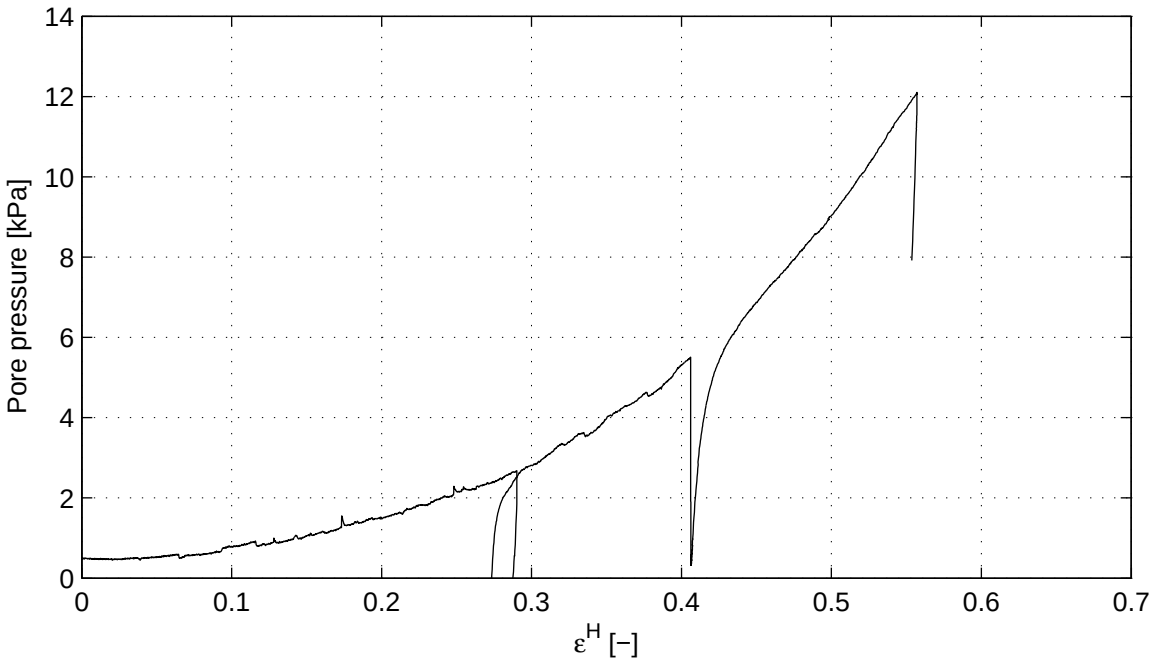
date	signed
2016−11−09	luije_sa

LdB proeven

Boring MB−09, sample 126, depth: −4.02 m to −4.07 m NAP

K0−CRS measurement

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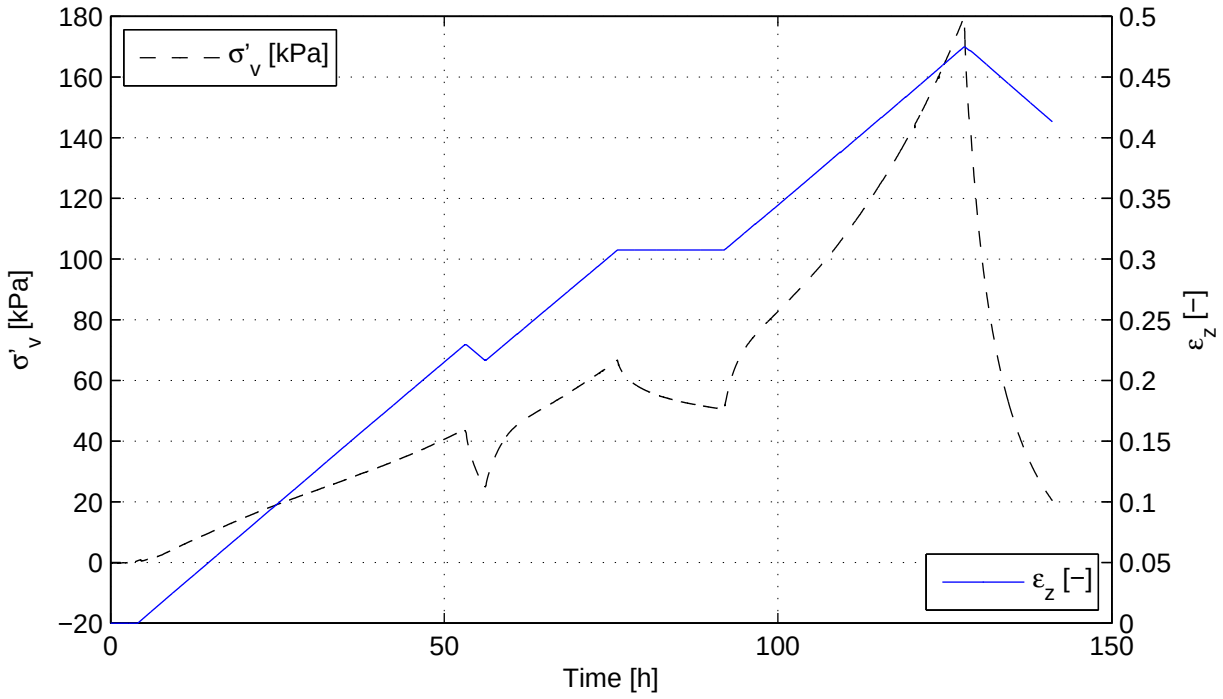
date	signed
2016−11−09	luije_sa

LdB proeven

Boring MB−09, sample 126, depth: −4.02 m to −4.07 m NAP

K0−CRS measurement

project	version
1220719.3	1.1
appendix	page
CRS126	4



Description of soil sample:

Soil description (NEN 5104)	Veen, mineraalarm, slap..
Unit weight saturated soil [kN/m^3]	10.0
Unit weight dry soil [kN/m^3]	1.6
Water content [%]	534.9
Water content final [%]	312.6
Void ratio − initial [−]	5.95 (e)
Sample disturbance index [%]	5.6, moderate quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	50
Stress unloading phase [kPa]	25
Stress reloading phase [kPa]	75
Stress relaxation phase [kPa]	75
Maximum stress [kPa]	200

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POV−M Vacuümconsolidatie: BLKGR − laboratoriumtesten

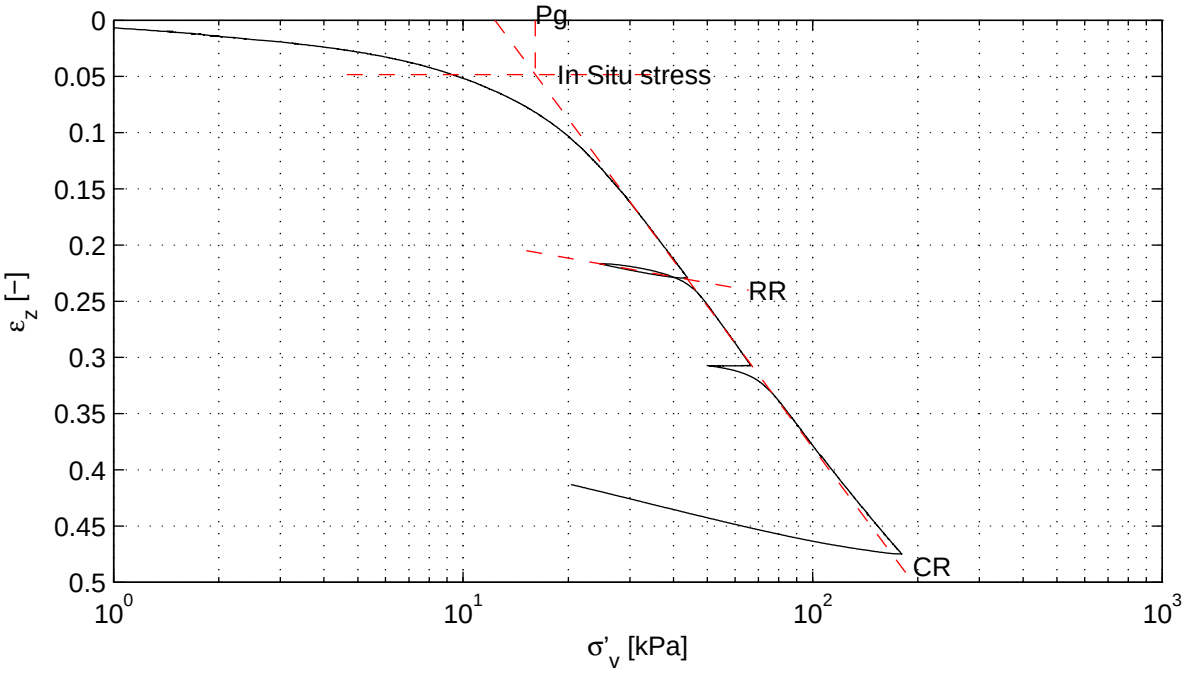
Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP

K0−CRS measurement

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*) Gecontroleerd en vrijgegeven door ess op 2016-08-15

NEN method

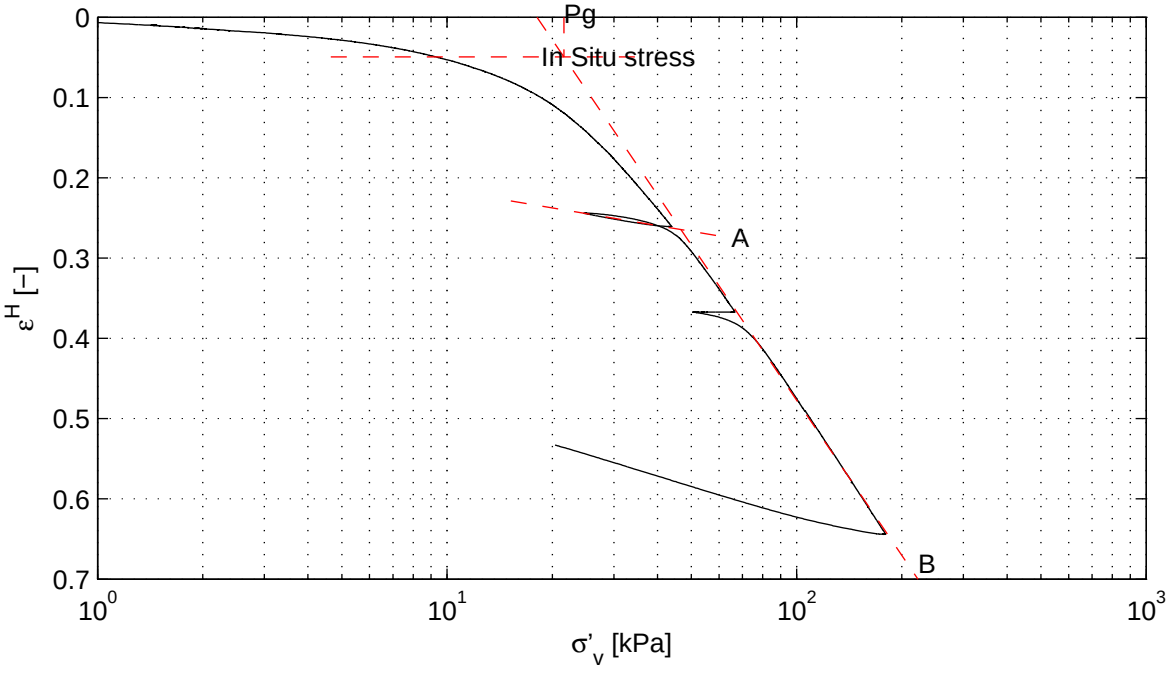


RR = 5.5e−02
CR = 4.2e−01

C_α = 3.9e−02

Pg = 16.1 kPa

Isotachen method

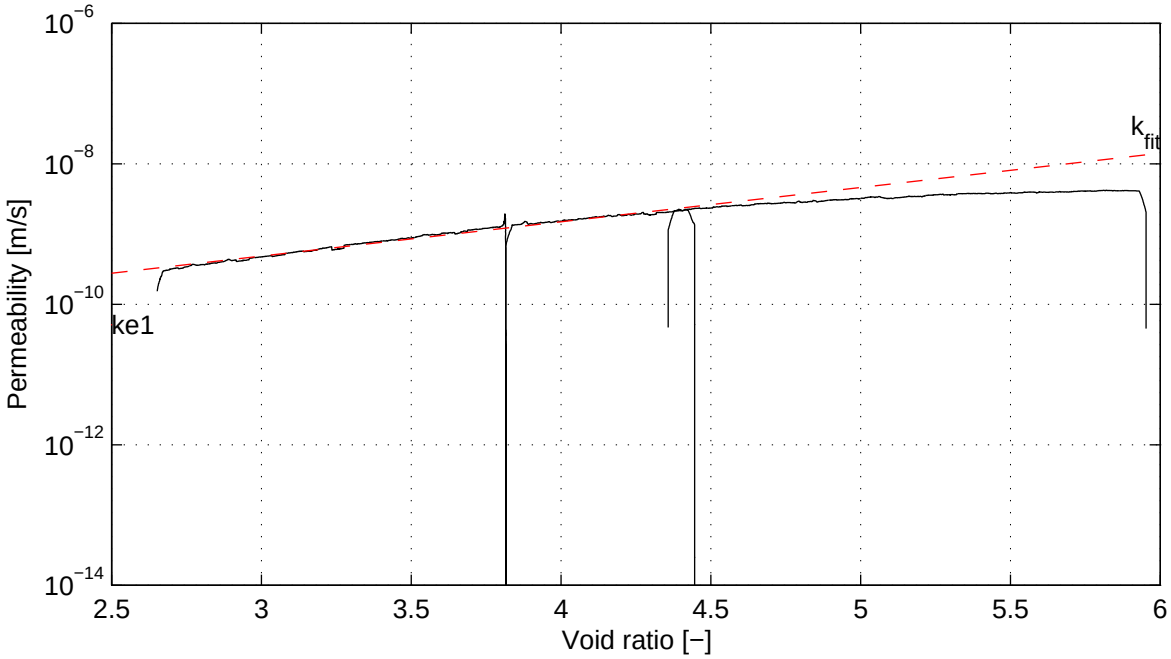


A = 3.2e−02
B = 2.8e−01

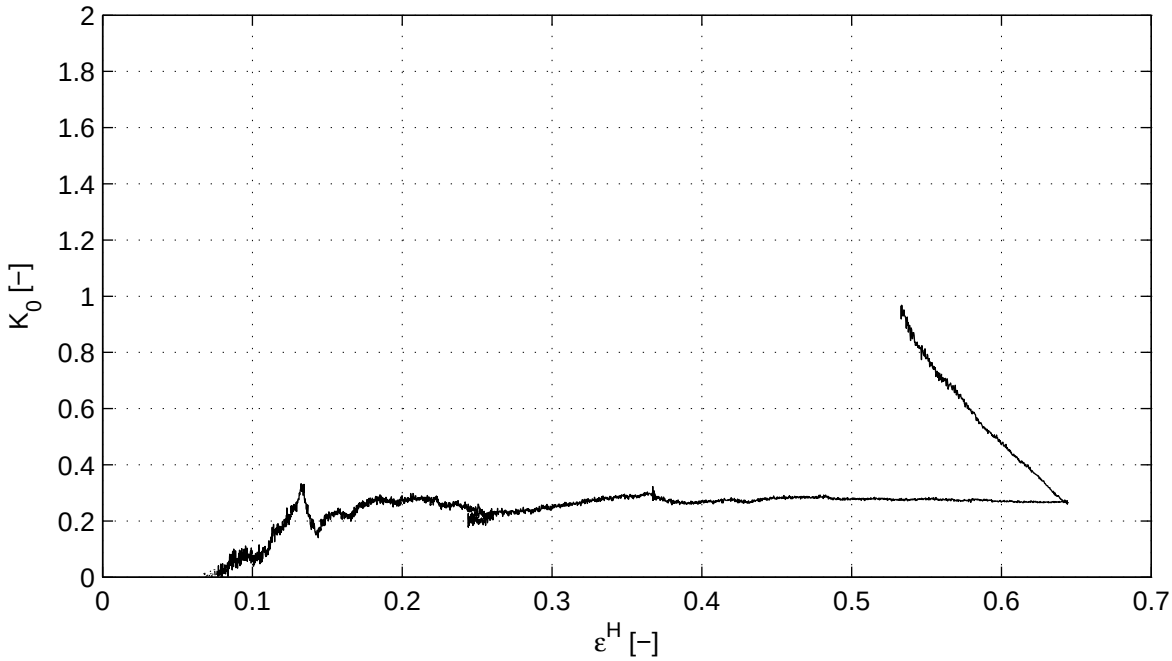
C = 2.6e−02

Pg = 21.6 kPa

*) Gecontroleerd en vrijgegeven door ess op 2016-08-15



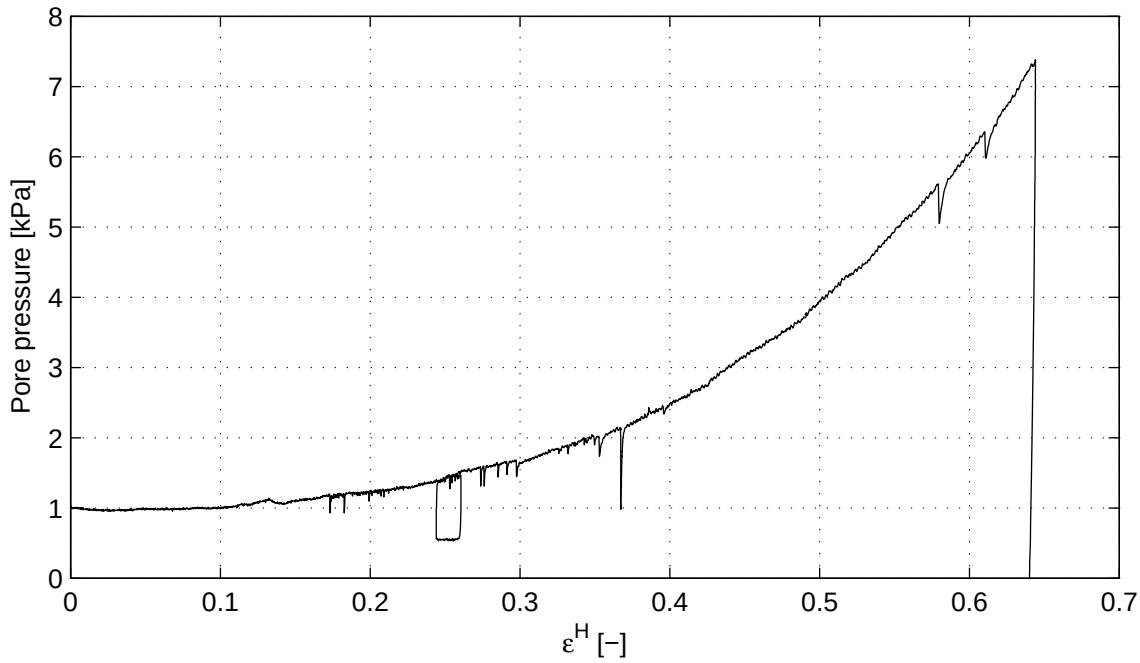
k_{e1} = 5.1e−11 m/s k_{e0} = 1.3e−08 m/s slope = 4.88e−01



ν = 0.19 K_{0m} = 0.27 K_{0e} = 0.27

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POV−M Vacuümconsolidatie: BLKGR − laboratoriumtesten Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP K0−CRS measurement				project: 1220719.3 / version: 1.1 appendix: CRS59 / page: 3

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2016−07−29	grw

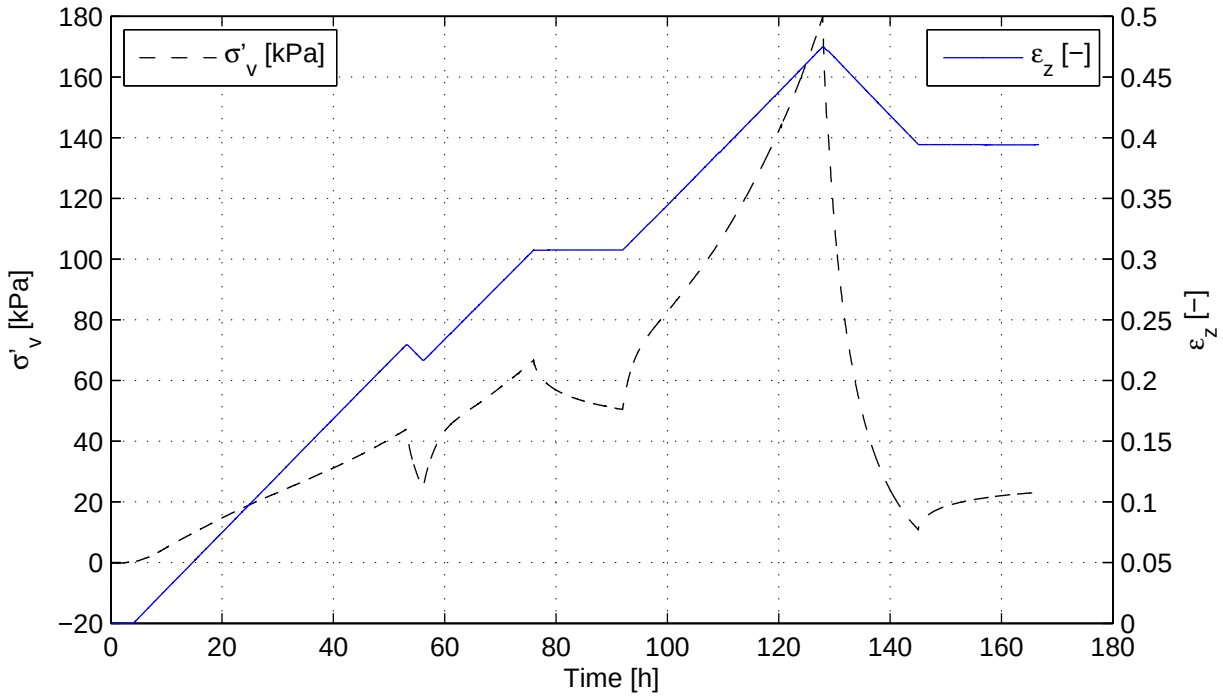
POV−M Vacuümconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP

K0−CRS measurement

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CRS59	4

*) Gecontroleerd en vrijgegeven door ess op 2016-08-15



Description of soil sample:

Soil description (NEN 5104)	Veen, mineraalarm, slap..
Unit weight saturated soil [kN/m^3]	10.0
Unit weight dry soil [kN/m^3]	1.6
Water content [%]	534.9
Water content final [%]	312.6
Void ratio − initial [−]	5.95 (e)
Sample disturbance index [%]	5.6, moderate quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	50
Stress unloading phase [kPa]	25
Stress reloading phase [kPa]	75
Stress relaxation phase [kPa]	75
Maximum stress [kPa]	200

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POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

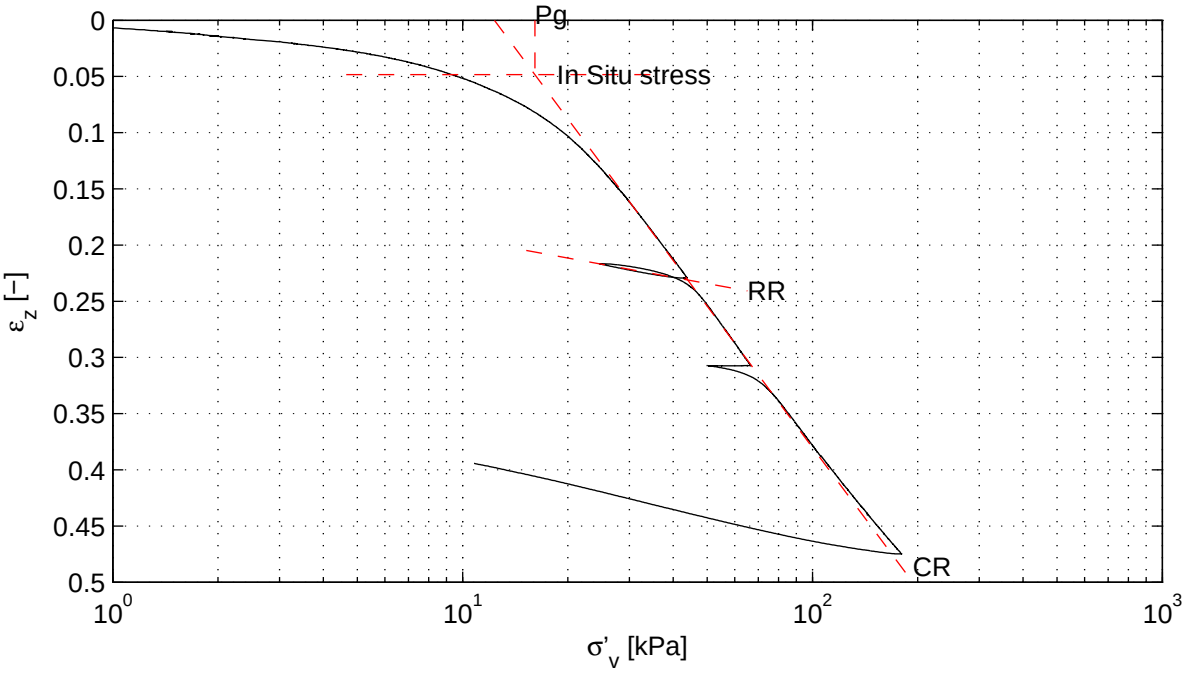
Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP

K0−CRS measurement

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*) Gecontroleerd en vrijgegeven door ess op 2016-08-24

NEN method

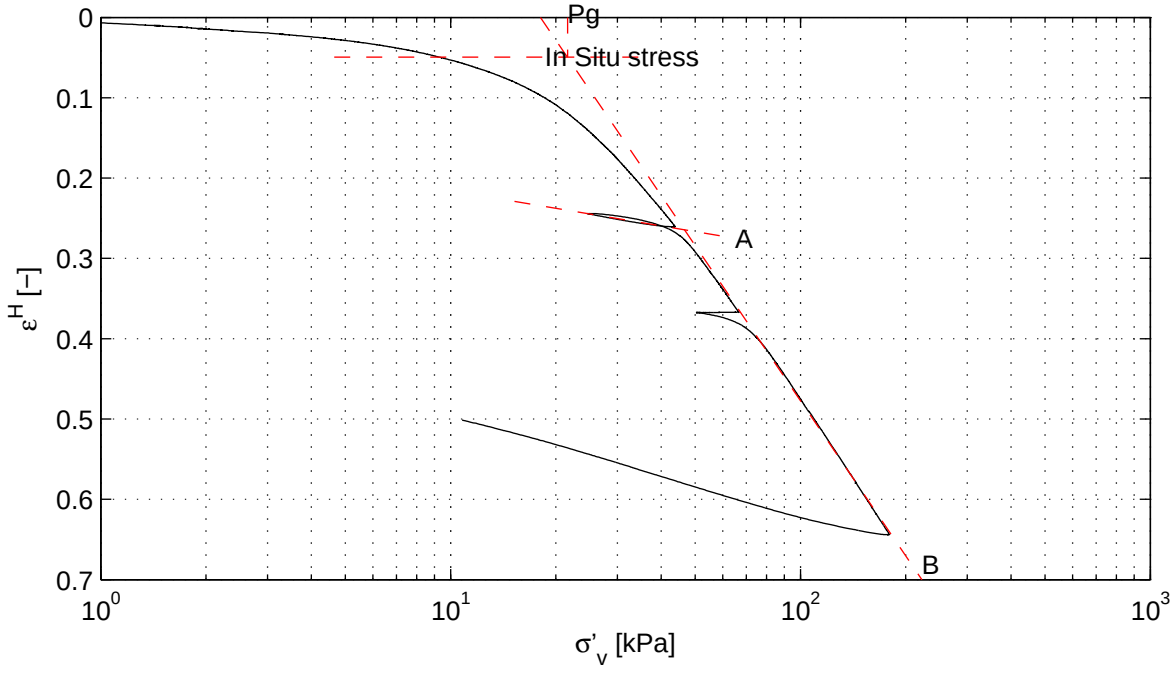


RR = 5.7e−02
CR = 4.2e−01

C_α = 3.9e−02

Pg = 16.1 kPa

Isotachen method

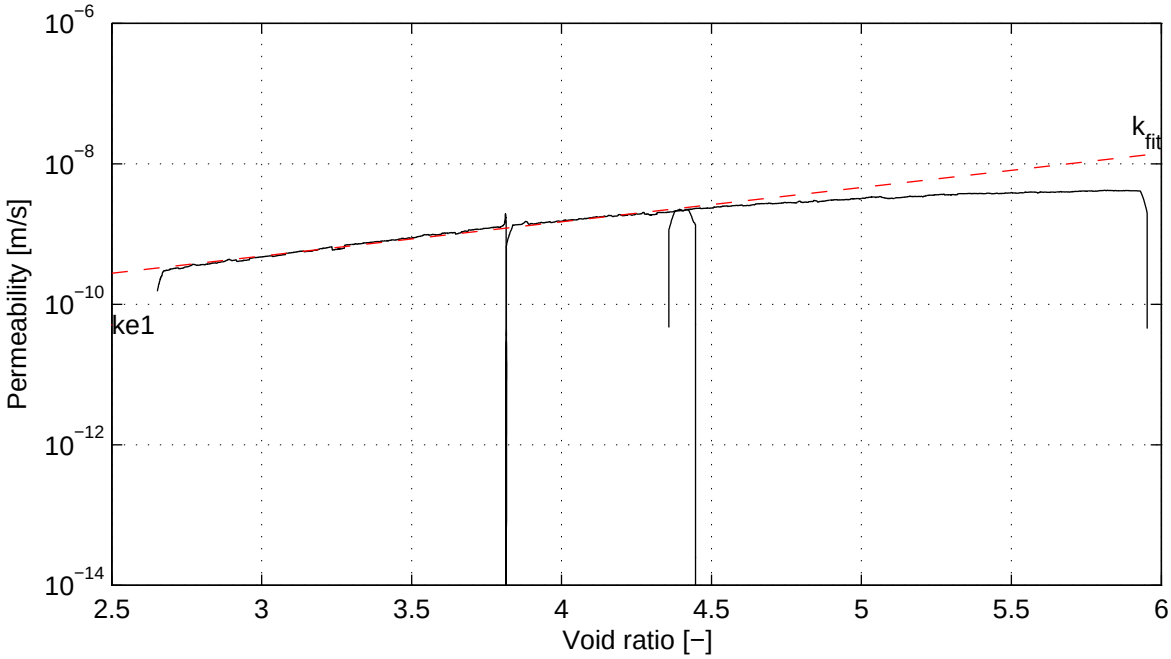


A = 3.2e−02
B = 2.8e−01

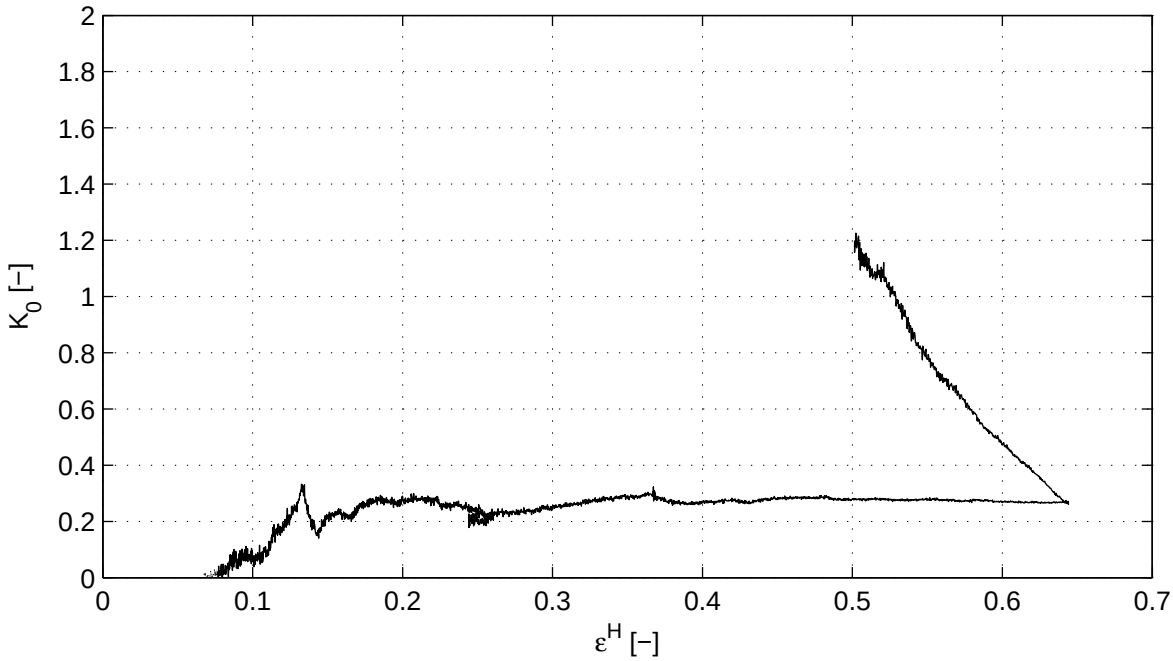
C = 2.6e−02

Pg = 21.6 kPa

*) Gecontroleerd en vrijgegeven door ess op 2016-08-24



k_{e1} = 5.1e−11 m/s k_{e0} = 1.3e−08 m/s slope = 4.88e−01



ν = 0.19 K_{0c} = 0.28 K_{0e} = 0.27

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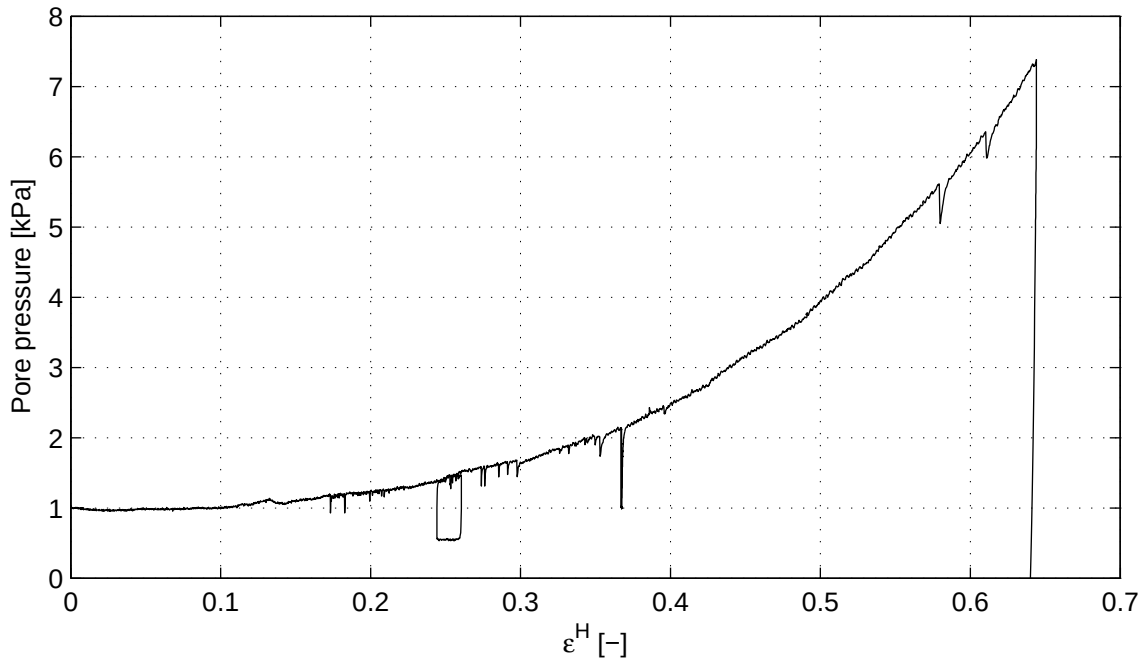
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP

K0−CRS measurement

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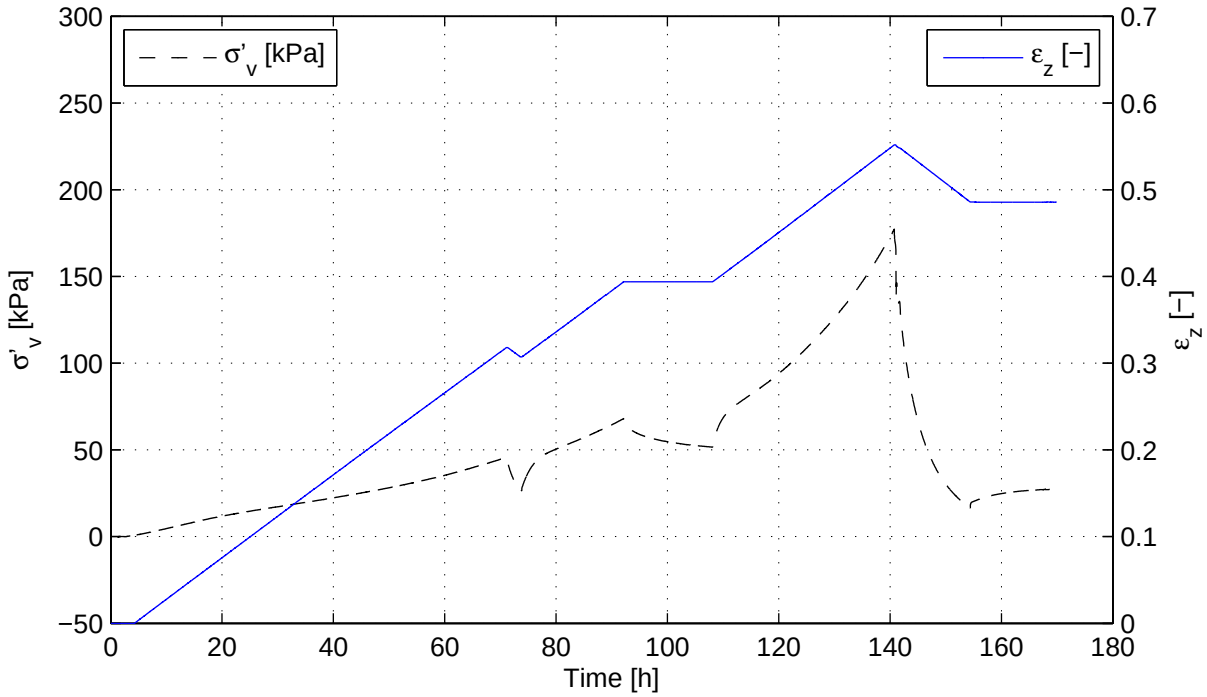
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 59, depth: −3.44 m to −3.49 m NAP

K0−CRS measurement

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*) Gecontroleerd en vrijgegeven door ess op 2016-08-24



Description of soil sample:

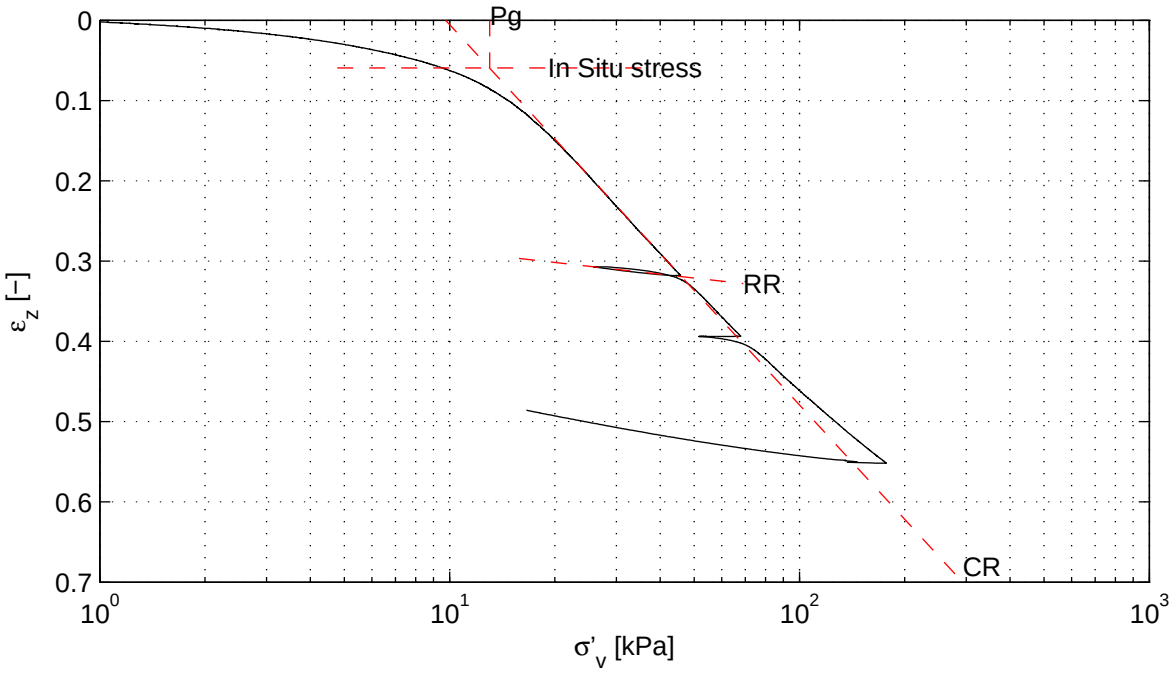
Soil description (NEN 5104)	Veen, zwak kleiig
Unit weight saturated soil [kN/m^3]	10.4
Unit weight dry soil [kN/m^3]	1.9
Water content [%]	440.3
Water content final [%]	240.6
Void ratio − initial [−]	6.26 (e)
Sample disturbance index [%]	6.9, moderate quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	50
Stress unloading phase [kPa]	25
Stress reloading phase [kPa]	75
Stress relaxation phase [kPa]	75
Maximum stress [kPa]	200

*) Gecontroleerd en vrijgegeven door ess op 2016-08-24

NEN method

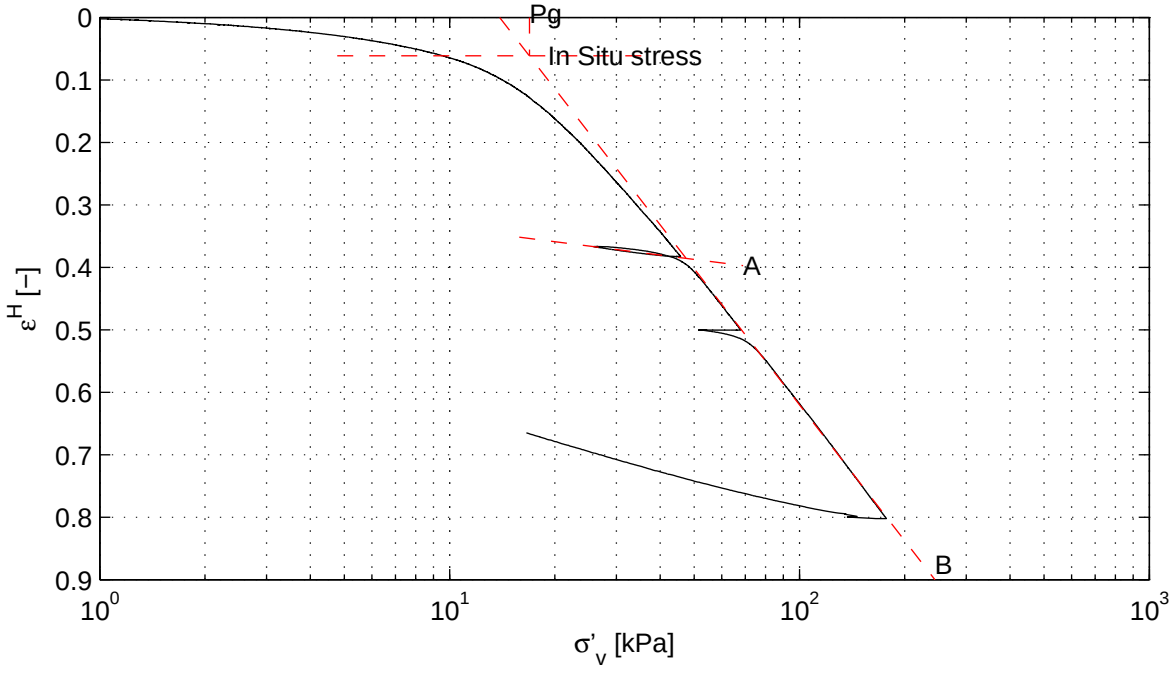


RR = 4.9e−02
CR = 4.7e−01

C_α = 3.9e−02

Pg = 13.0 kPa

Isotachen method



A = 3.1e−02
B = 3.1e−01

C = 2.6e−02

Pg = 16.9 kPa

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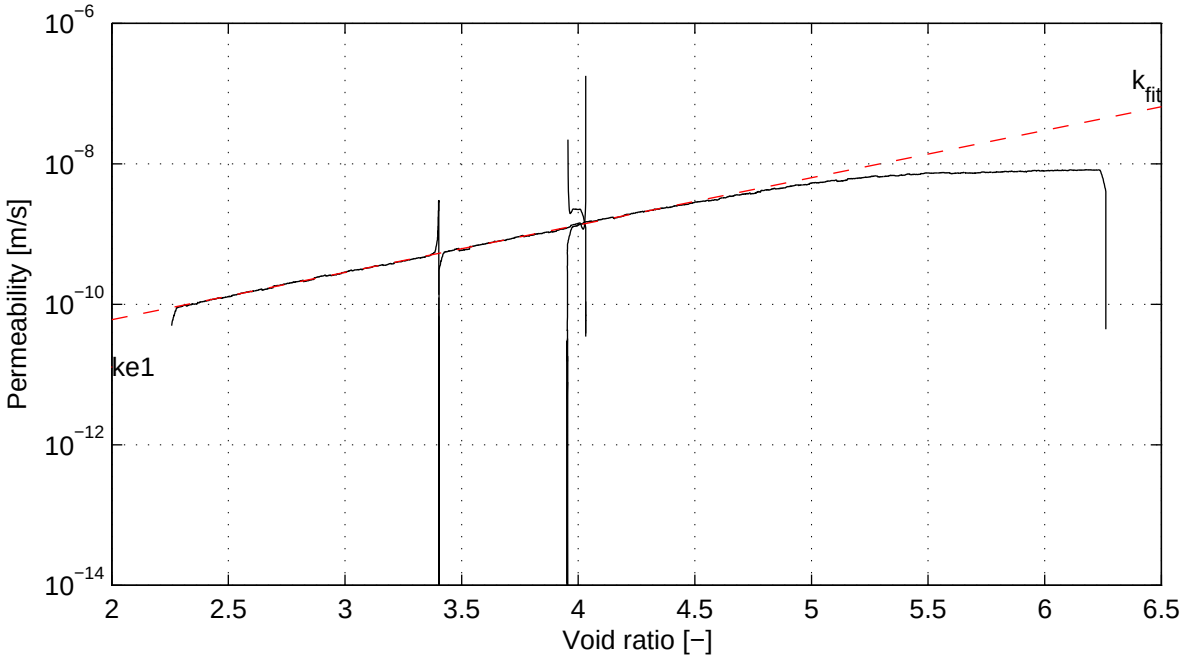
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 63, depth: −3.79 m to −3.84 m NAP

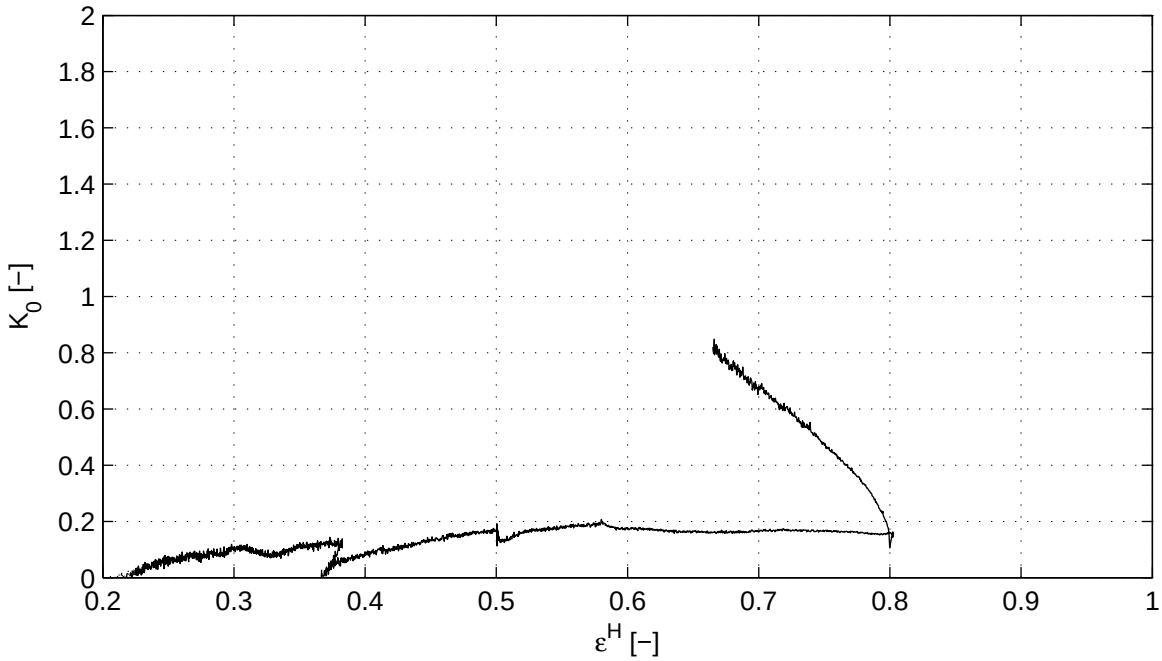
K0−CRS measurement

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*) Gecontroleerd en vrijgegeven door ess op 2016-08-24



k_{e1} = 1.3e−11 m/s k_{e0} = 4.5e−08 m/s slope = 6.74e−01



ν = 0.23 K_{0c} = 0.17 K_{0e} = 0.16

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date	signed
2016−08−24	luije_sa

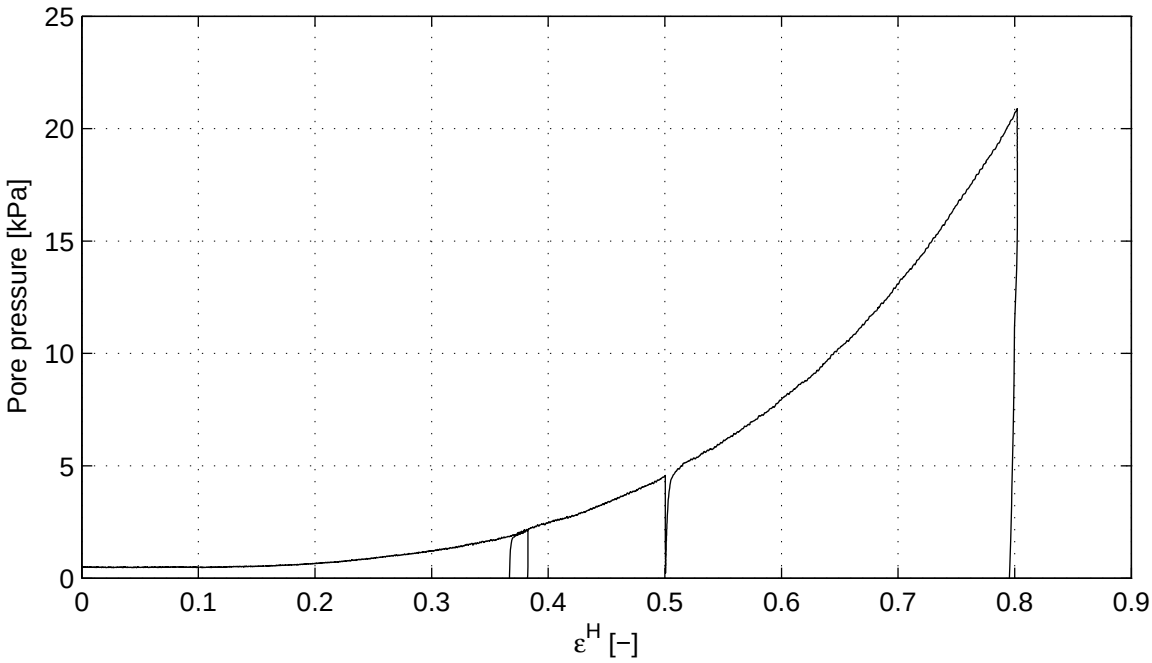
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 63, depth: −3.79 m to −3.84 m NAP

K0−CRS measurement

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2016−08−24	luije_sa

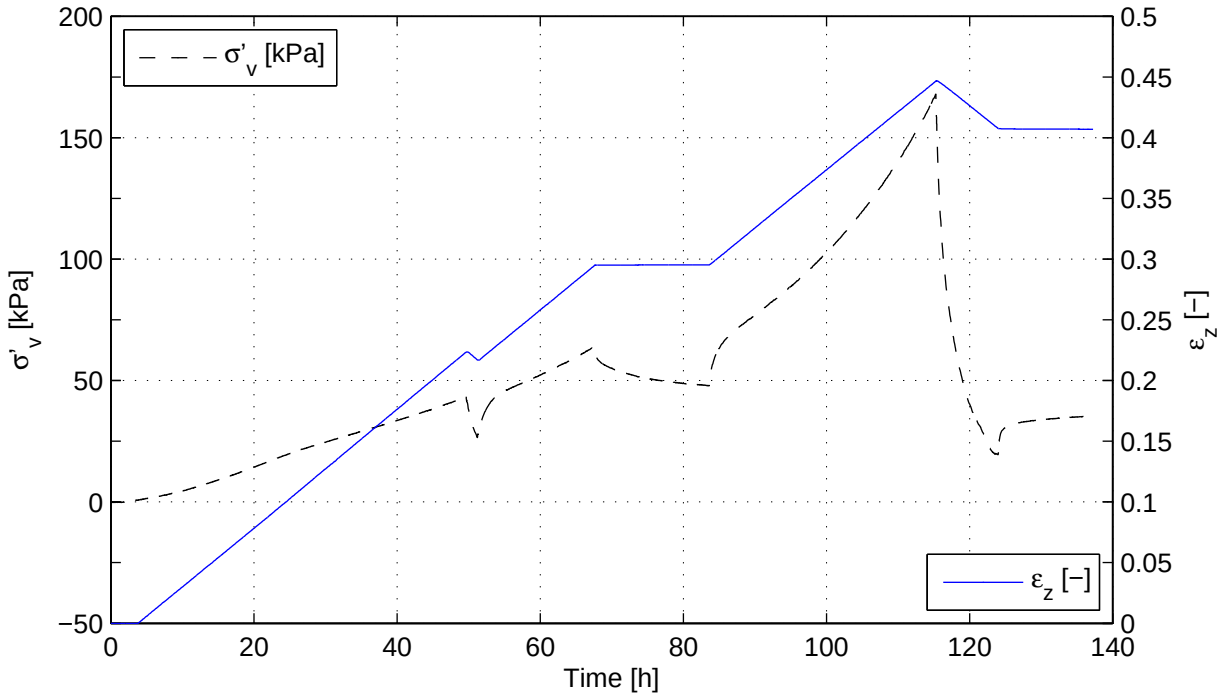
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 63, depth: −3.79 m to −3.84 m NAP

K0−CRS measurement

project	version
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CRS63	4

*) Gecontroleerd en vrijgegeven door ess op 2016-08-24



Description of soil sample:

Soil description (NEN 5104)	Klei, zwak siltig, sterk hu..
Unit weight saturated soil [kN/m^3]	11.6
Unit weight dry soil [kN/m^3]	3.5
Water content [%]	228.9
Water content final [%]	132.5
Void ratio − initial [−]	4.57 (e)
Sample disturbance index [%]	7.7, bad quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	50
Stress unloading phase [kPa]	25
Stress reloading phase [kPa]	75
Stress relaxation phase [kPa]	75
Maximum stress [kPa]	200

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POV−M Vacuumconsolidatie: BLkGR − laboratoriumtesten

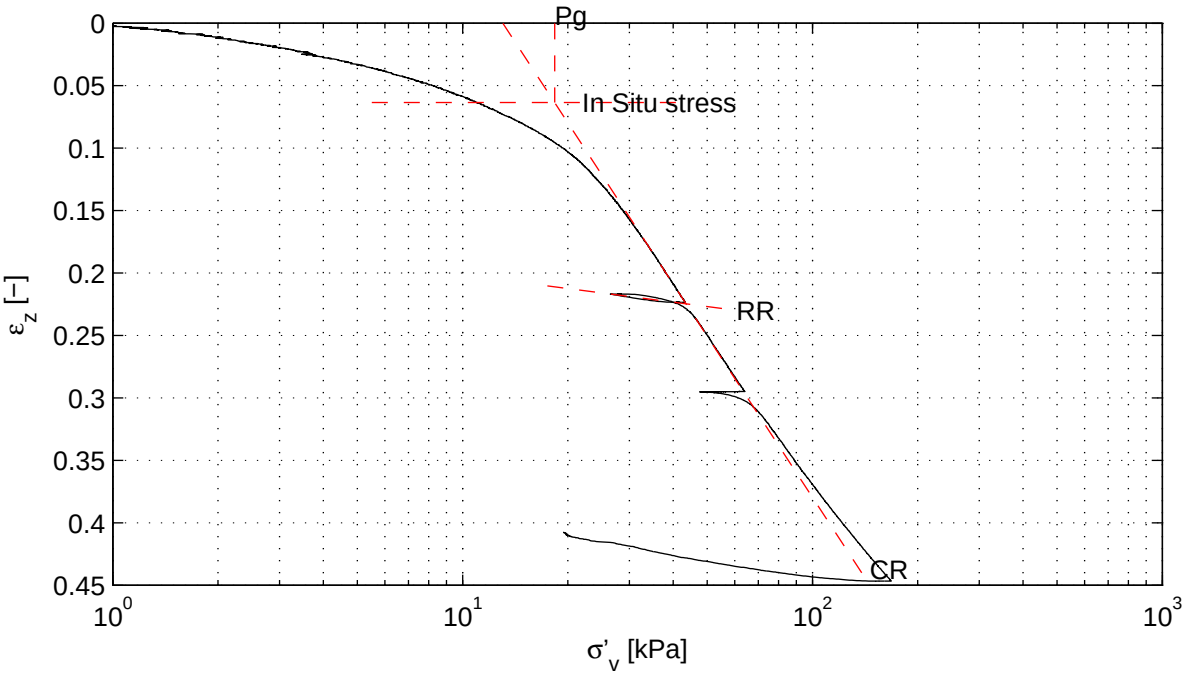
Boring MB−04, sample 73, depth: −5.94 m to −5.99 m NAP

K0−CRS measurement

project	version
1220719.3	1.1
appendix	page
CRS73	1

*) Gecontroleerd en vrijgegeven door ess op 2016-08-24

NEN method

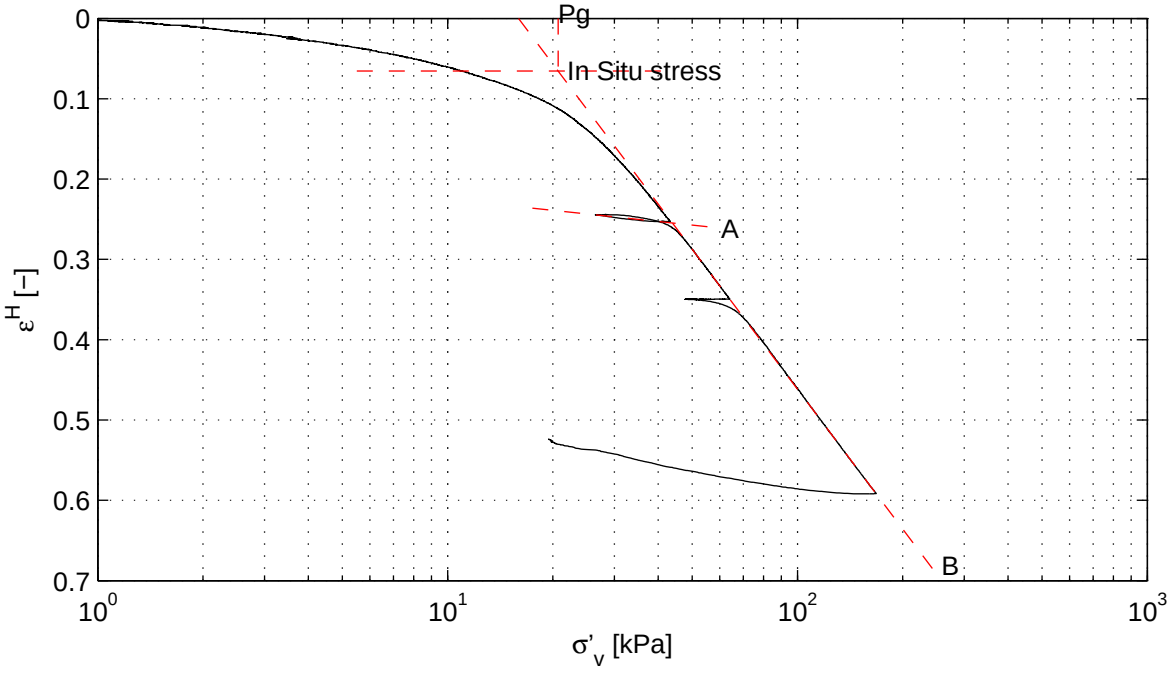


RR = 3.6e−02
CR = 4.3e−01

C_α = 2.8e−02

Pg = 18.3 kPa

Isotachen method



A = 2.0e−02
B = 2.5e−01

C = 1.6e−02

Pg = 20.7 kPa

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2016−08−24	luije_sa

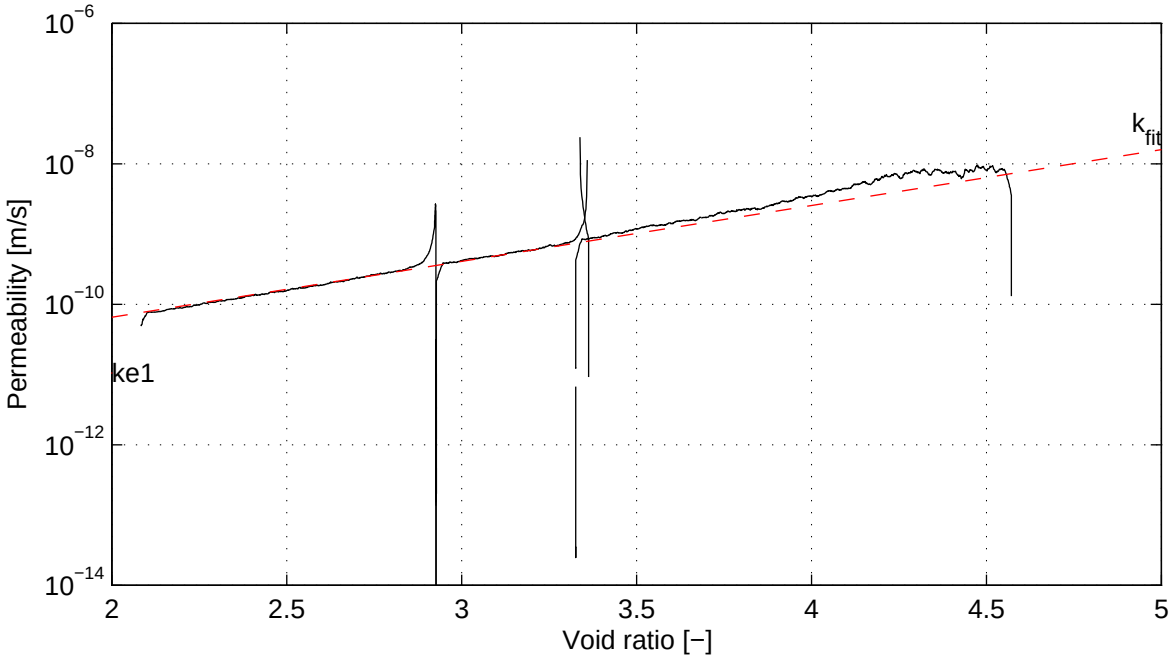
POV−M Vacuumconsolidatie: BLkGR − laboratoriumtesten

Boring MB−04, sample 73, depth: −5.94 m to −5.99 m NAP

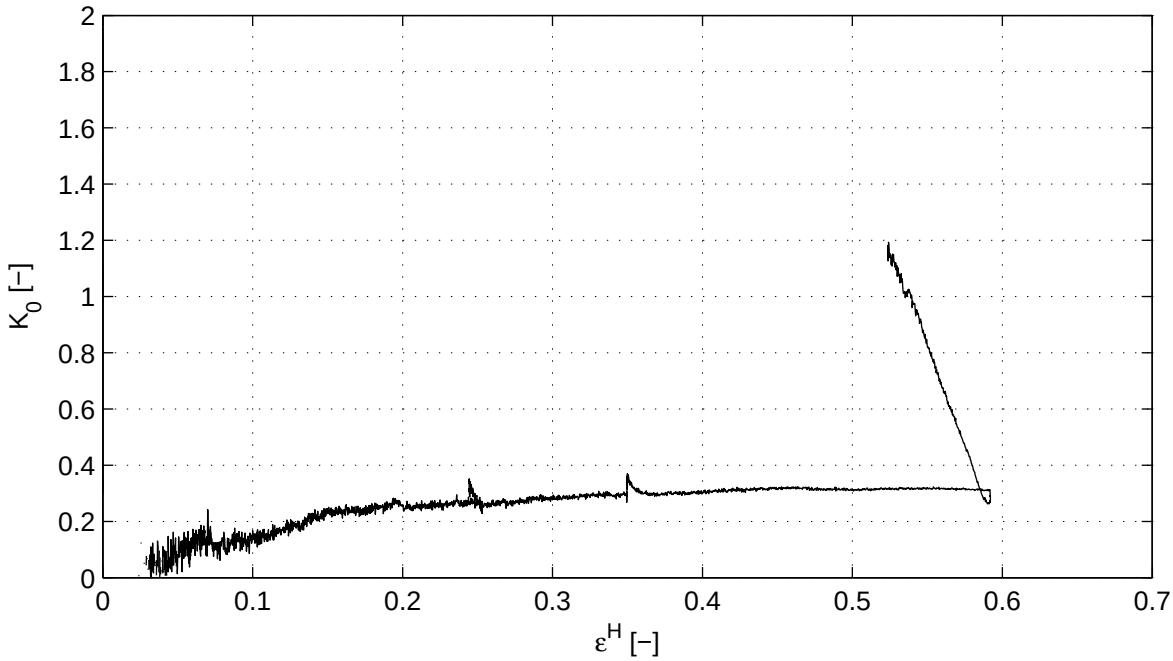
K0−CRS measurement

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*) Gecontroleerd en vrijgegeven door ess op 2016-08-24



k_{e1} = 1.0e−11 m/s k_{e0} = 7.3e−09 m/s slope = 7.96e−01



ν = 0.16 K_{0m} = 0.31 K_{0e} = 0.31

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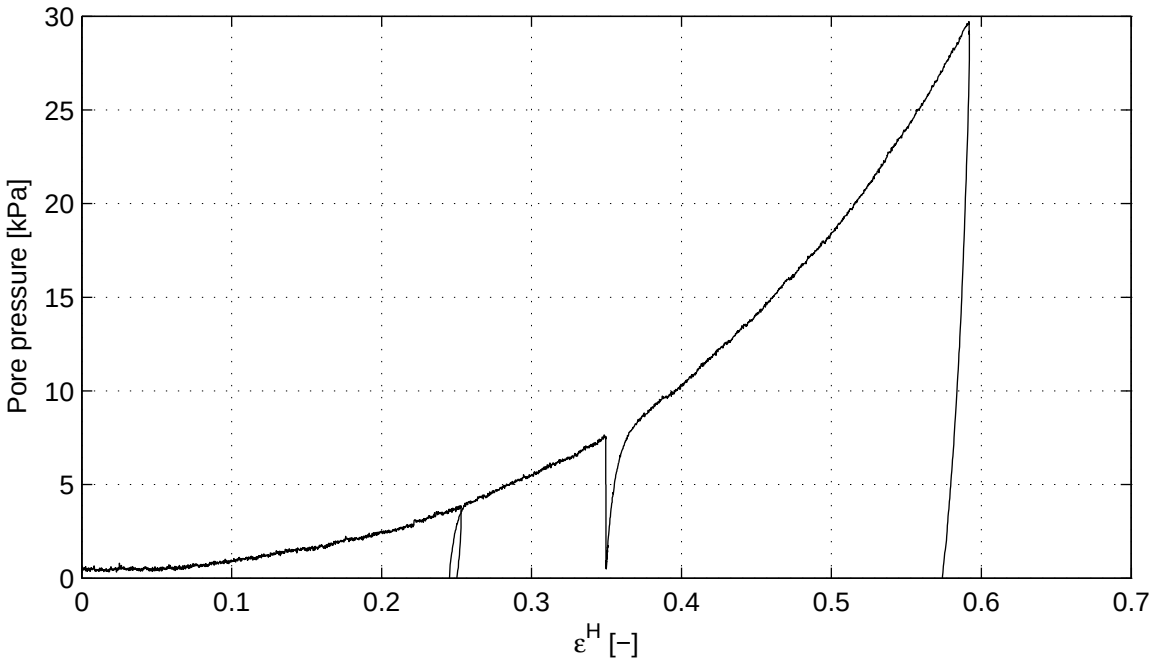
POV−M Vacuumconsolidatie: BLkGR − laboratoriumtesten

Boring MB−04, sample 73, depth: −5.94 m to −5.99 m NAP

K0−CRS measurement

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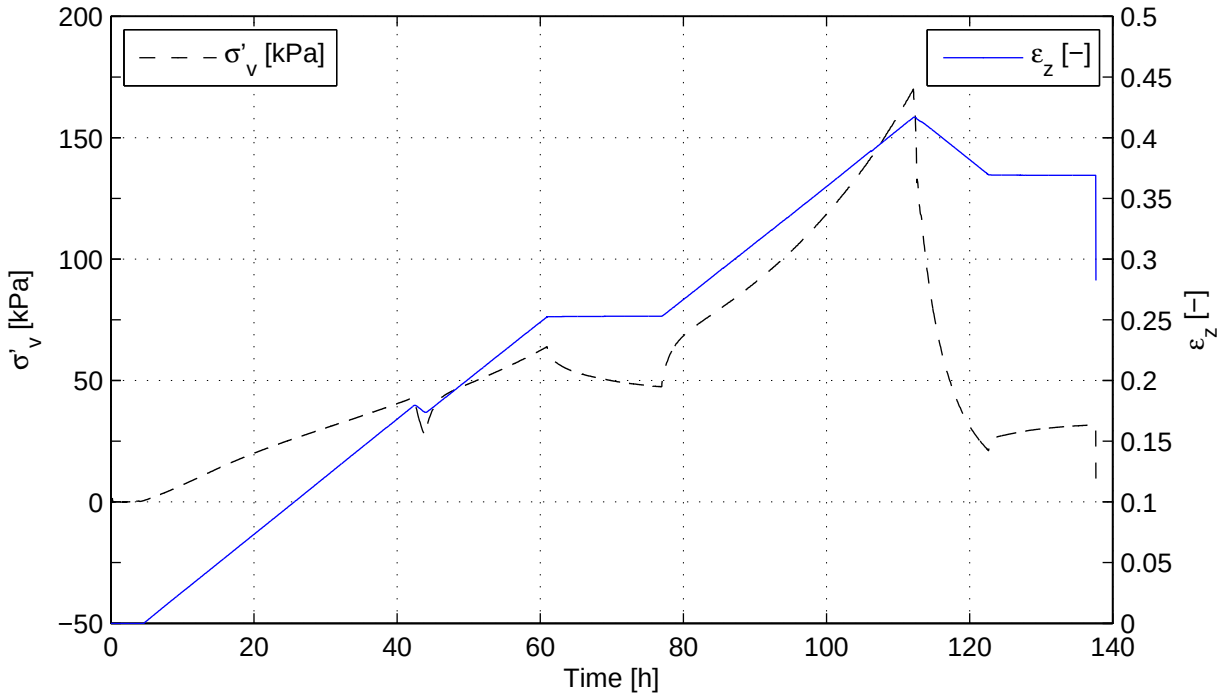
POV−M Vacuumconsolidatie: BLkGR − laboratoriumtesten

Boring MB−04, sample 73, depth: −5.94 m to −5.99 m NAP

K0−CRS measurement

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Description of soil sample:

Soil description (NEN 5104)	Overig
Unit weight saturated soil [kN/m^3]	11.4
Unit weight dry soil [kN/m^3]	3.4
Water content [%]	234.1
Water content final [%]	142.3
Void ratio − initial [−]	4.41 (e)
Sample disturbance index [%]	5.8, moderate quality
e calculated with assumed complete saturation	

Test overview (test plan):

Stress loading phase [kPa]	50
Stress unloading phase [kPa]	25
Stress reloading phase [kPa]	75
Stress relaxation phase [kPa]	75
Maximum stress [kPa]	200

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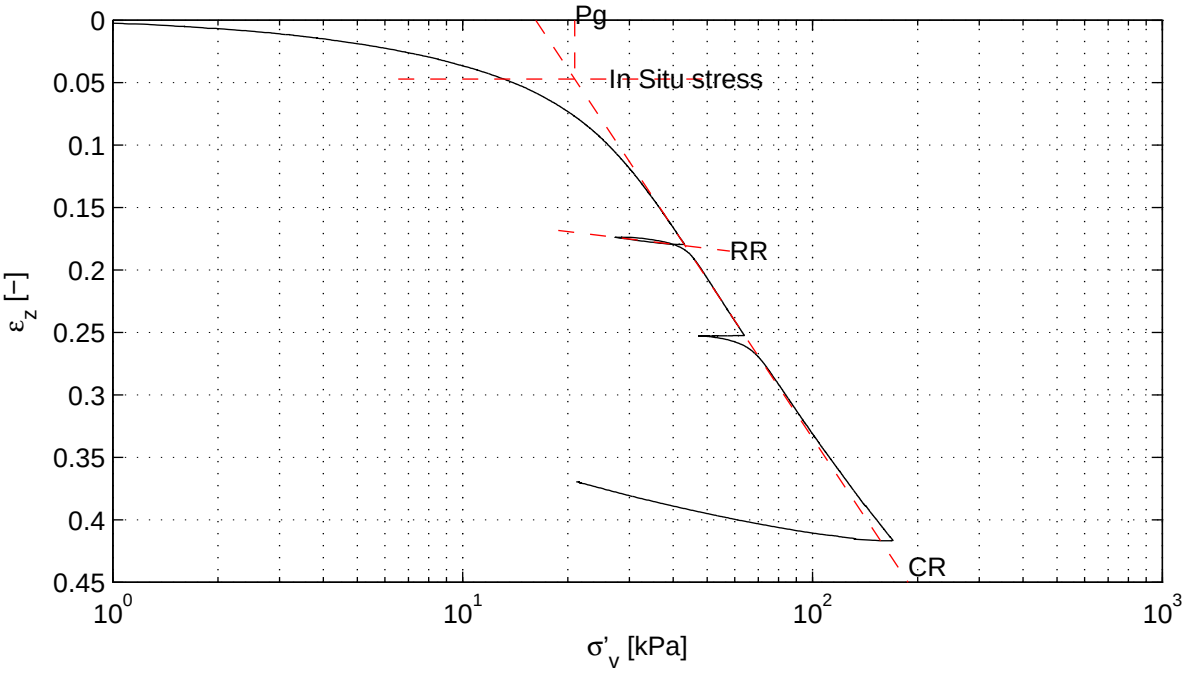
Boring MB−04, sample 81, depth: −7.09 m to −7.14 m NAP

K0−CRS measurement

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NEN method

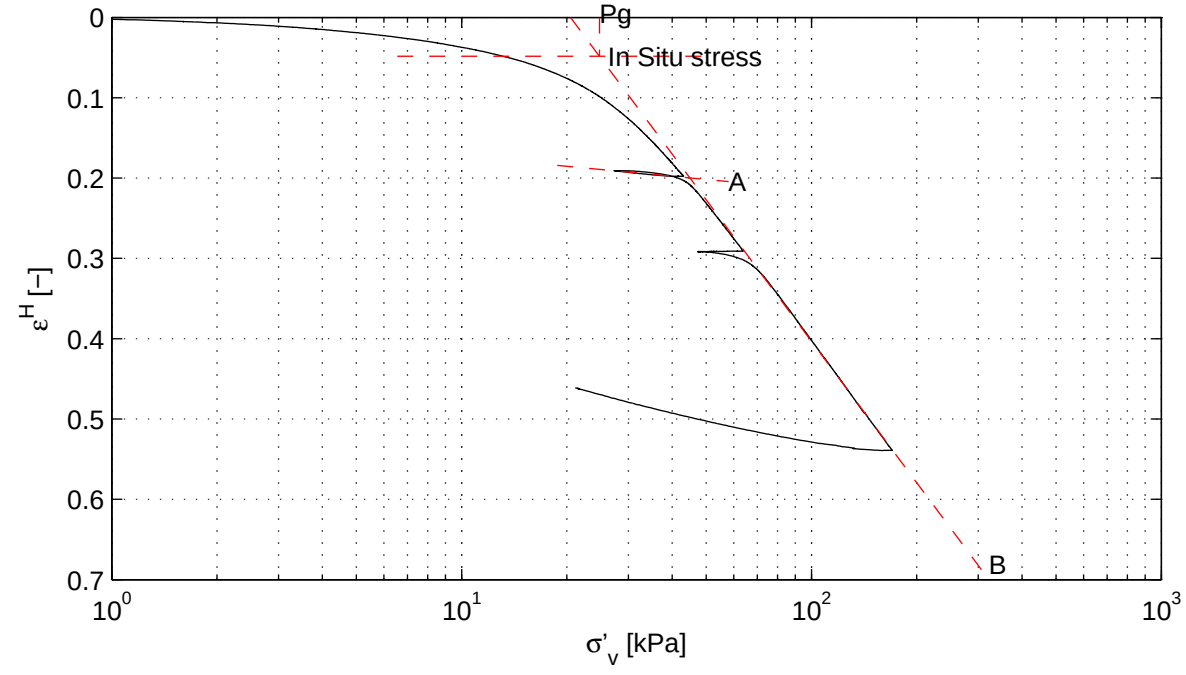


RR = 3.4e−02
CR = 4.2e−01

C_α = 3.5e−02

Pg = 20.9 kPa

Isotachen method



A = 1.8e−02
B = 2.5e−01

C = 2.1e−02

Pg = 24.8 kPa

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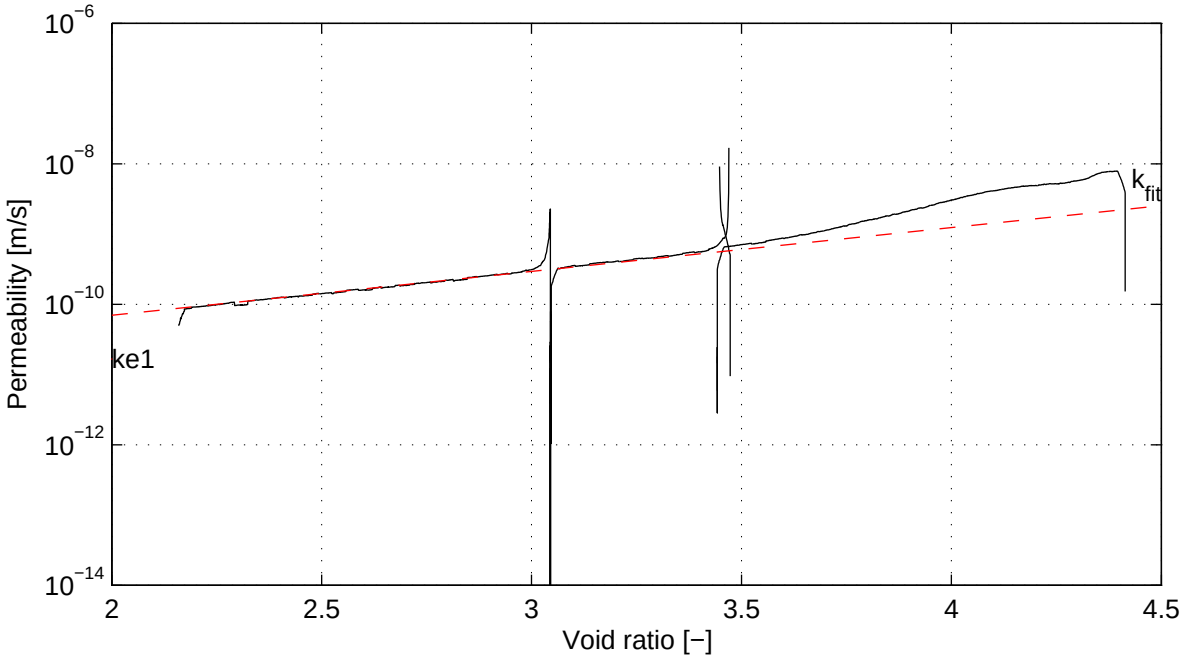
POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 81, depth: −7.09 m to −7.14 m NAP

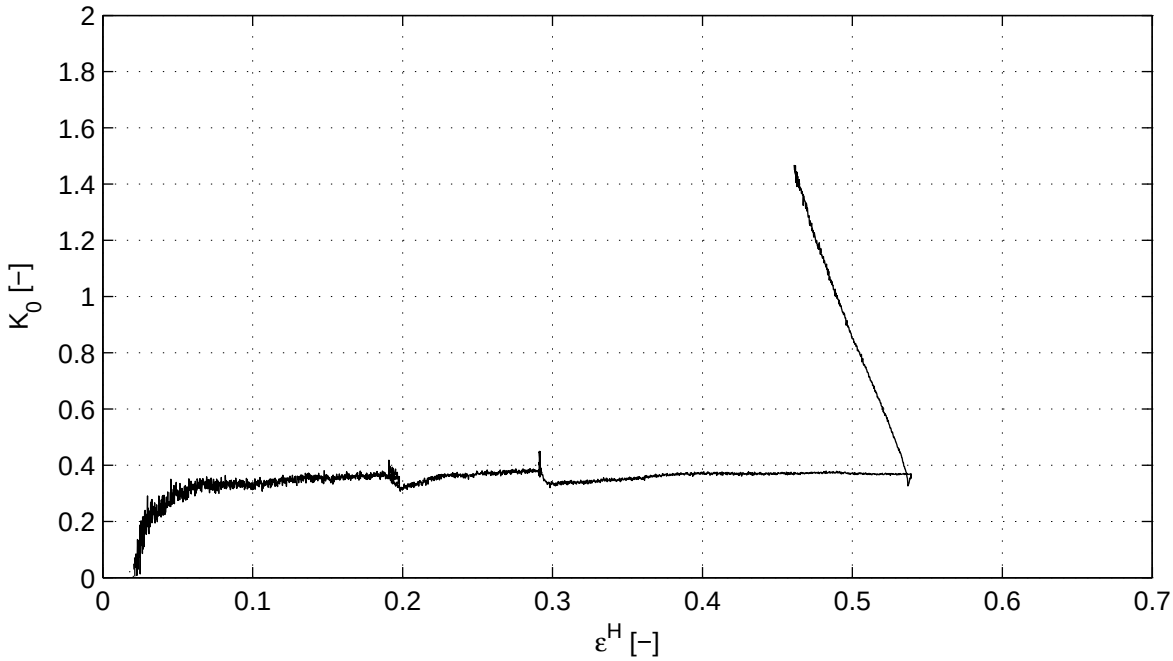
K0−CRS measurement

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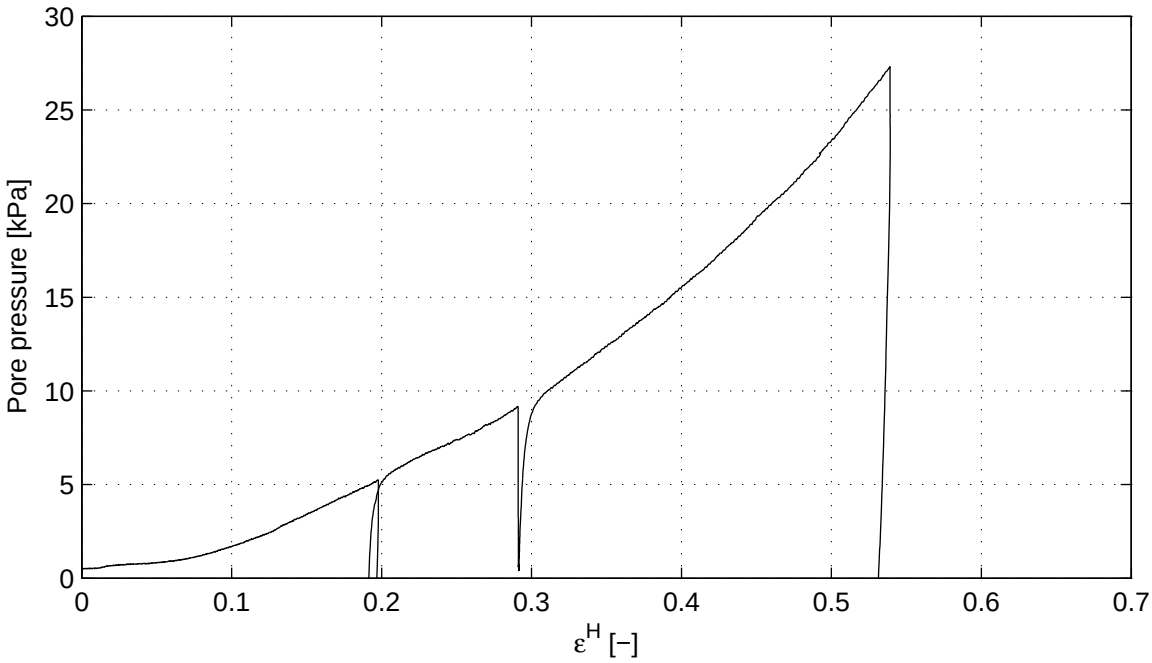
k_{e1} = 1.7e−11 m/s k_{e0} = 2.2e−09 m/s slope = 6.24e−01



ν = 0.26 K_{0c} = 0.36 K_{0e} = 0.37

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POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten Boring MB−04, sample 81, depth: −7.09 m to −7.14 m NAP K0−CRS measurement			project: 1220719.3 / version: 1.1 appendix: CRS81 / page: 3

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POV−M Vacuumconsolidatie: BLKGR − laboratoriumtesten

Boring MB−04, sample 81, depth: −7.09 m to −7.14 m NAP

K0−CRS measurement

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