

Secrets of the OV tariff

Or perhaps just some lesser-known facts

Modes of OV-chipkaart



Payment type

- Travel on balance
 - Balance stored in card's memory
 - Deposit collected at check-in all the way to €4
 - Final fare calculated at check-out
- Post-paid (NS Flex, GVB Flex, Arriva Flow)
 - Transactions are recorded in card's memory
 - Fare is calculated later

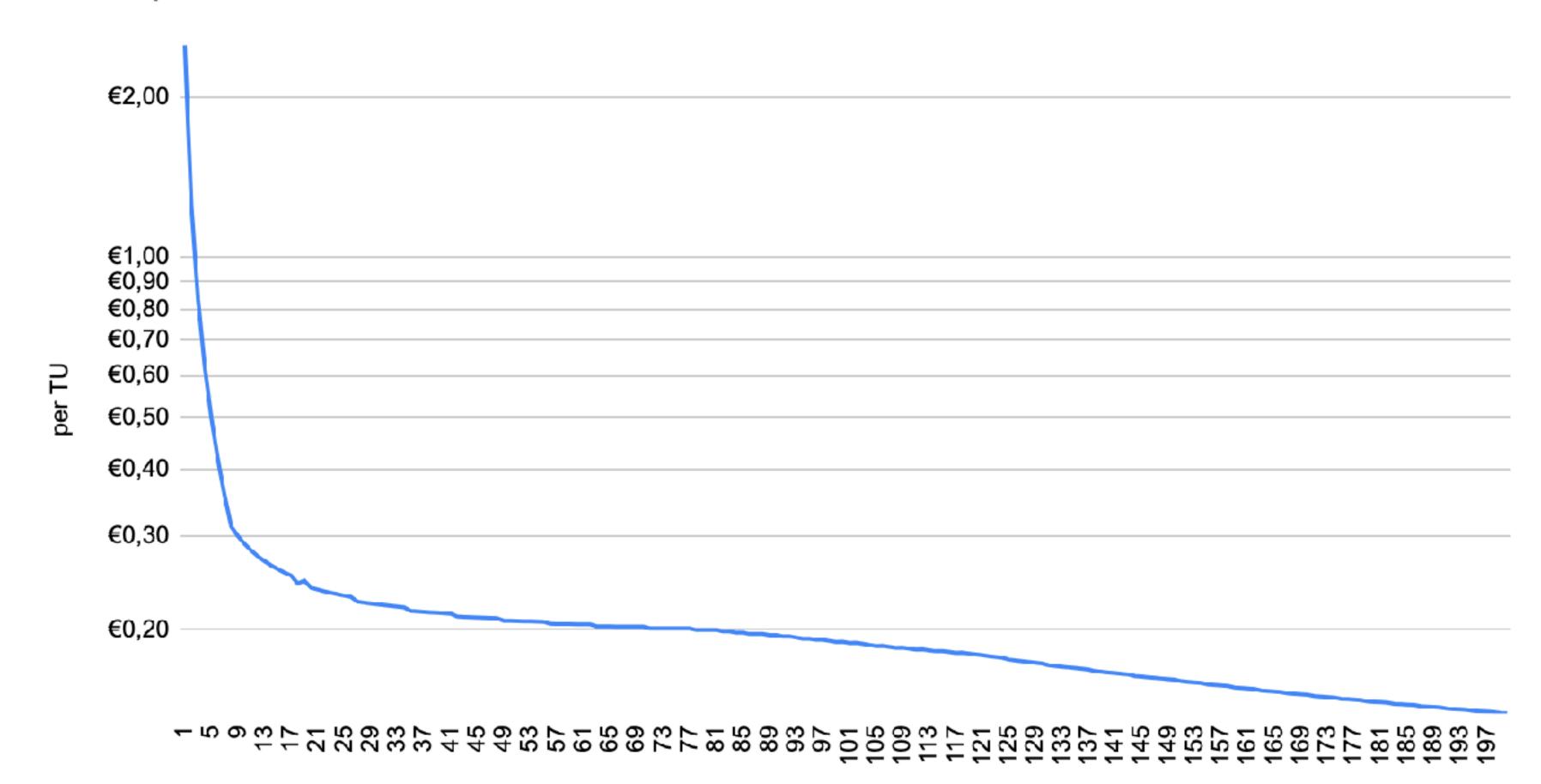
Product type

- Bus, Tram, Metro (BTM)
 - €1.01 boarding/basic fare
 - fare per kilometre differs between regions (€0.179 in Amsterdam)
 - can be more expensive than GVB 1 hour ticket (€3.20)
- Train travel
 - Fare tables based on Tariff Units
 - Tariff Unit map published by ProRail

Travel farther on train to save money



Price per tariff unit



Tariff Units

Save € 0.40 on a trip to the Airport



- Amsterdam Centraal Schiphol Airport = 19 TU
- Amsterdam Amstel Schiphol Airport = 17 TU
- You actually travel through Amsterdam Centraal
- Use an e-ticket
- Gates in all stations will open for any valid ticket



Trains to the limits



- Peak hours are actually 10 minutes shorter than announced
 - Mon Fri 06:35 08:55, 16:05 18:25
 - Tariff is determined at (the first) check-in
 - No afternoon peak hours for international trips
- You can cancel check-in by checking-out within 60 minutes
 - Stuck in a restaurant for more than 60 minutes? Then take a train to some other stop!
- You can continue the journey by checking-in within 35 minutes after check-out
- Total journey duration cannot exceed 6 hours
 - Longer journeys get broken into shorter ones with possible missing check-ins/-outs

First class travels



- When travelling on balance, class has to be chosen before check-in and cannot be changed
- With NS-flex, class can be changed within 15 minutes after (each) check-in
- Surcharge 67% on top of 2nd class fare
- Almost precisely cancels out 40% discount

$$1\frac{2}{3} \cdot \frac{100 - 40}{100} = \frac{300}{300} = 1$$

$$\frac{167}{100} \cdot \frac{100 - 40}{100} = \frac{1002}{1000}$$

Extra cent for NS Flex users



On Balance / e-ticket

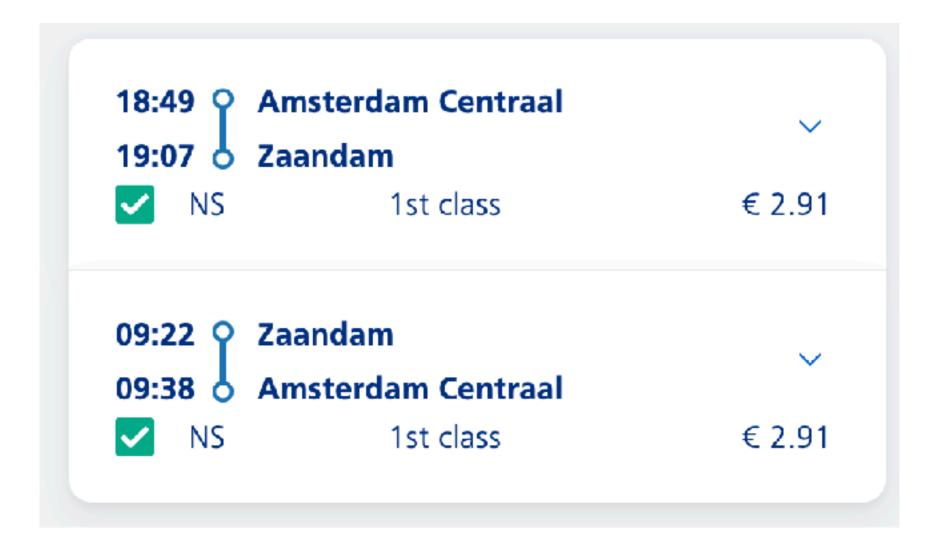
Amsterdam Centraal

	100 ± 67
Train (NS)	$2.90 \cdot \frac{100 + 67}{100} = 4.843 \sim 4.84$
2nd class full fare	€ 2.90
20% discount	€ 2.32
40% discount	€ 1.74
1st class full fare	€ 4.84
20% discount	€3.87
40% discount	€2.90
Railrunner	€ 2.50

Zaandam

$$4.84 \cdot \frac{100 - 40}{100} = 2.904 \sim 2.90$$

NS Flex



$$2.90 \cdot \frac{100 + 67}{100} \cdot \frac{100 - 40}{100} = 2.9058 \sim 2.91$$

Fare optimisation tips



- Buy 40% off-peak subscription for € 5.10/month
 - The cost of subscription will return within one or two trips per month
 - You will get a personal OV-chipkaart for free
- Check-in before peak hours, but not too early
 - It is **not allowed** to check-in sooner than 30 minutes before travel
- Do not stop for more than 35 minutes during peak hours
 - So the cheaper trip will continue
- Try not to mix trains and BTM
 - You will very likely not get any transfer discount



Questions



Ondrej.Caletka@ripe.net https://ondřej.caletka.nl