

$$\text{vol\_kegel}(d, h) := \pi \cdot \left(\frac{d}{2}\right)^2 \cdot \frac{h}{3} \qquad \text{opp\_kegelwand}(d, h) := \pi \cdot \left(\frac{d}{2}\right) \cdot \sqrt{\left(\frac{d}{2}\right)^2 + h^2}$$

$$\text{opp\_halvebol}(d, h) := 2 \cdot \pi \cdot \left(\frac{d}{2}\right)^2 \qquad \text{vol\_halvebol}(d, h) := \frac{4}{6} \cdot \pi \cdot \left(\frac{d}{2}\right)^3$$

$$\text{opp\_div\_vol\_kegel}(d,h) := \frac{\text{opp\_kegelwand}(d,h)}{\text{vol\_kegel}(d,h)}$$

$$\text{opp\_div\_vol\_tot}(d,h) := \frac{\text{opp\_halvebol}(d,h) + \text{opp\_kegelwand}(d,h)}{\text{vol\_halvebol}(d,h) + \text{vol\_kegel}(d,h) + 10^{-6}}$$

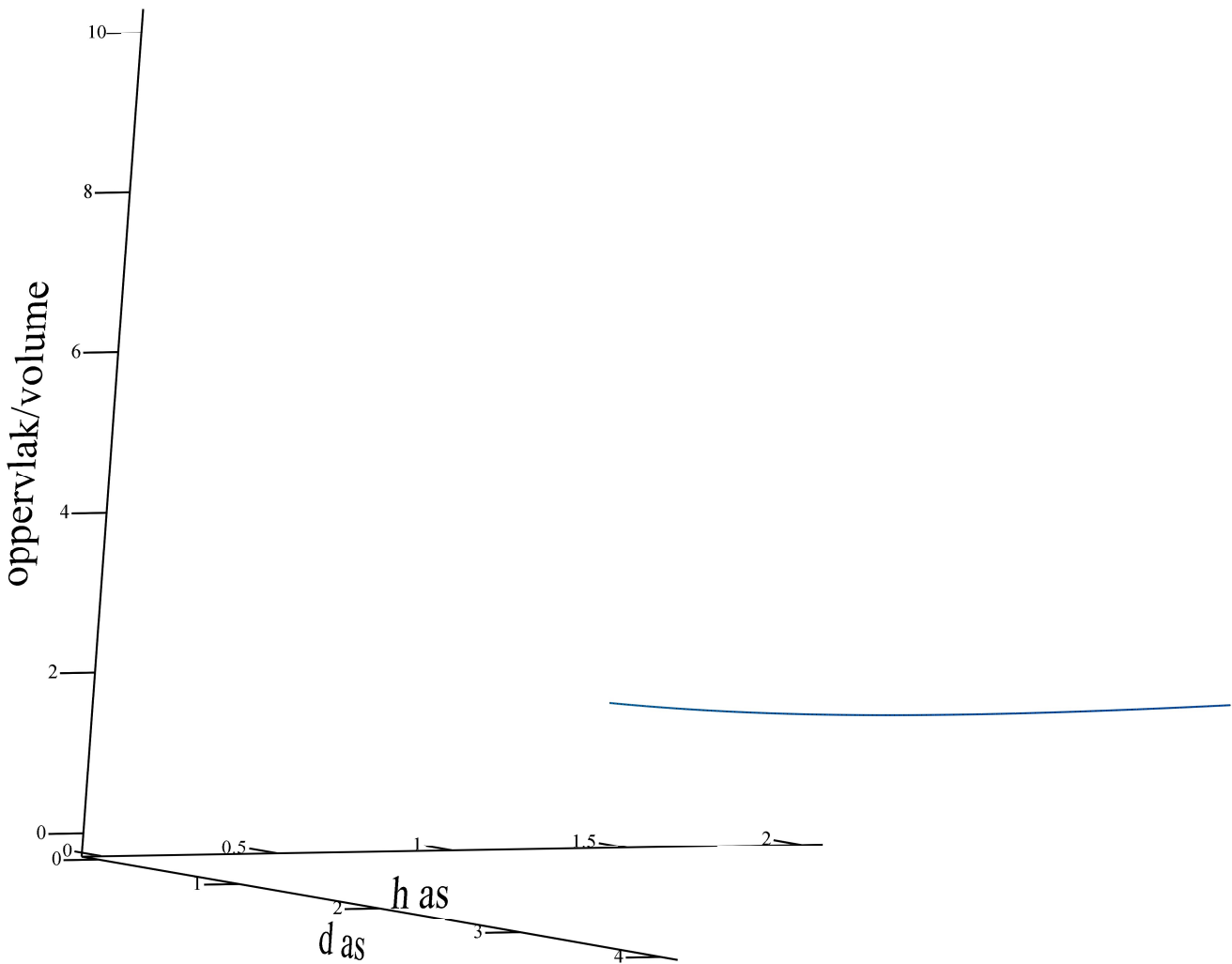
$$\text{opp\_totaal}(d, h) := \text{opp\_halvebol}(d, h) + \text{opp\_kegelwand}(d, h)$$

$$\text{vol\_totaal}(d,h) := \text{vol\_halvebol}(d,h) + \text{vol\_kegel}(d,h)$$

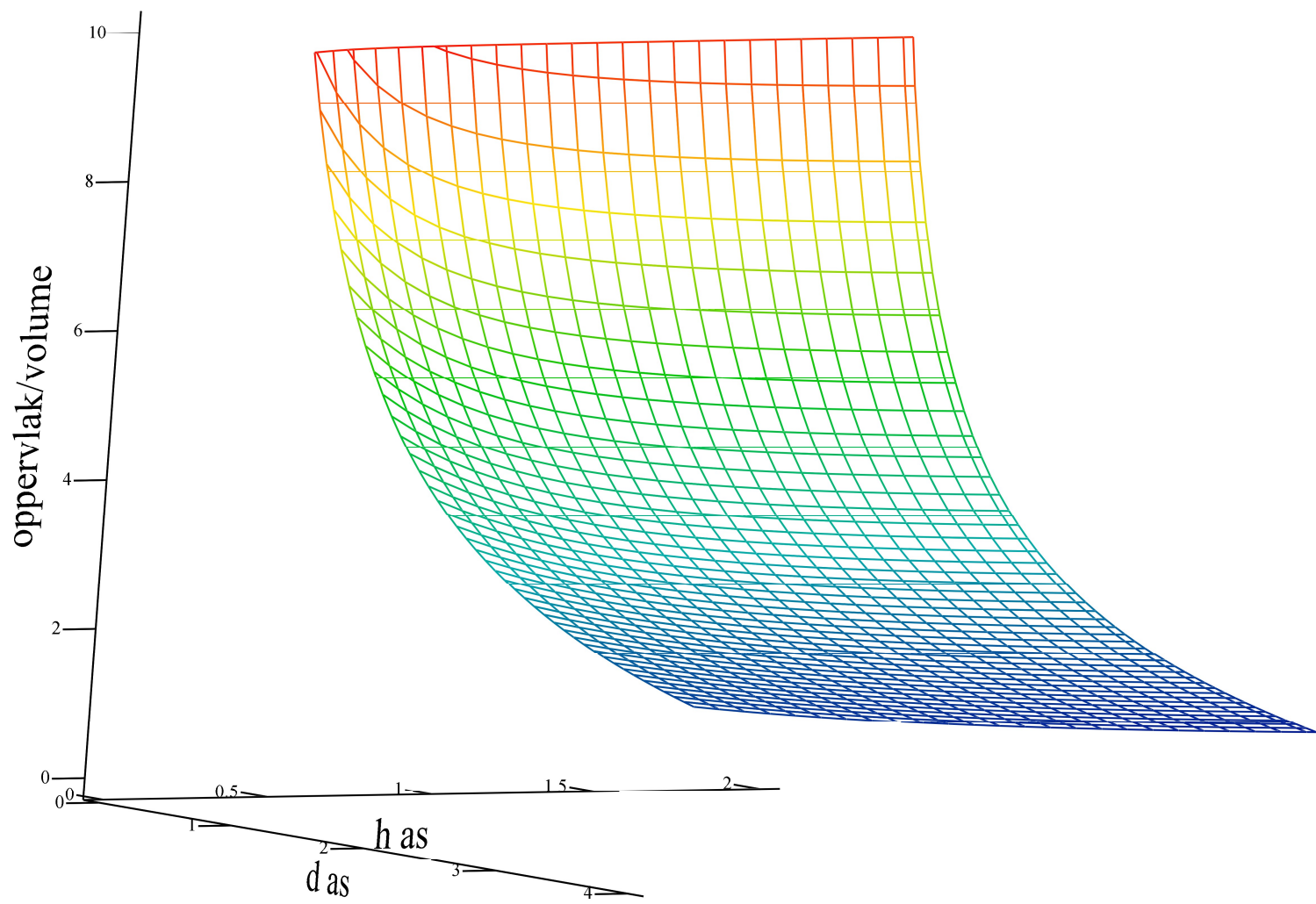
$$\pi \cdot \left(\frac{d}{2}\right)^2 \cdot \frac{h}{3} + \frac{4}{6} \cdot \pi \cdot \left(\frac{d}{2}\right)^3 = c \quad \text{volume kegel+ volume halve bol gelijk aan c nemen}$$

$$hl(c,d) := \frac{12 \cdot c - \pi \cdot d^3}{\pi \cdot d^2} \quad h = F(d,c) \quad i := 0, 1 \dots 1000 \quad \underline{c} := 10 \quad dmax := 4 \quad dmin := 2$$

$$\begin{aligned} \text{Dl}_i &:= \frac{i}{1000} \cdot \text{dmax} + \text{dmin} \quad \text{Hl}_i := \text{hl}\left(c, \text{Dl}_i + 10^{-6}\right) \quad \text{hl}(c, 1) = 37.197 \\ \text{adivv}_i &:= \text{opp\_div\_vol\_tot}\left(\text{Dl}_i, \text{Hl}_i\right) \quad \text{A}_i := \text{opp\_totaal}\left(\text{Dl}_i, \text{Hl}_i\right) \quad \text{Vol}_i := \text{vol\_totaal}\left(\text{Dl}_i, \text{Hl}_i\right) \end{aligned}$$



(D1,H1,adivv)



opp\_div\_vol\_tot

D1 =		0	H1 =		0	adivv =		0	$\frac{D1}{H1} =$		0	A =		0	Vol =		0
	220	2.88		220	1.725		220	2.319		220	1.669		220	23.195		220	10
	221	2.884		221	1.708		221	2.319		221	1.688		221	23.193		221	10
	222	2.888		222	1.692		222	2.319		222	1.707		222	23.191		222	10
	223	2.892		223	1.675		223	2.319		223	1.727		223	23.19		223	10
	224	2.896		224	1.658		224	2.319		224	1.746		224	23.189		224	10
	225	2.9		225	1.642		225	2.319		225	1.766		225	23.189		225	10
	226	2.904		226	1.625		226	2.319		226	1.787		226	23.189		226	10
	227	2.908		227	1.609		227	2.319		227	1.807		227	23.189		227	10
	228	2.912		228	1.593		228	2.319		228	1.829		228	23.19		228	10
	229	2.916		229	1.576		229	2.319		229	1.85		229	23.191		229	10
	230	2.92		230	1.56		230	2.319		230	1.872		230	23.193		230	10
	231	2.924		231	1.544		231	2.32		231	1.894		231	23.195		231	10
	232	2.928		232	1.527		232	2.32		232	1.917		232	23.198		232	10
	233	2.932		233	1.511		233	2.32		233	1.94		233	23.201		233	10
	234	2.936		234	1.495		234	2.32		234	1.964		234	23.204		234	10
235	...	235	...	235	...	235	...	235	...	235	...						



