



دانشگاه صنعتی شریف

دانشکده مهندسی برق

آمار و احتمال مهندسی

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Unit	Definition	Symbol
[m/s]	Velocity	V
$]^3[\text{kg/m}$	Density	ρ
	Number Reynolds	Re
[m/s]	velocity	u
[m]	Length Characteristic	L^*
[Pa/s]	Viscosity Dynamic	μ
	Number Prandtl	Pr
K] [J/kg	Capacity Heat Specific	Cp
k] [W/m	Conductivity Thermal	k
	number Nusselt	Nu
k] [W/m	coefficient transfer Heat	h
[Pa/s]	fluid bulk of viscosity Dynamic	μ_o
[Pa/s]	wall the at viscosity Dynamic	μ_b
[m]	section heating of Length	L
[j]	stream cold the of Energy	E_c
[j]	stream hot the of Energy	E_h
[%]	efficiency Energy	η
k] [W/m	coefficient transfer heat Overall	U_o
k] [W/m	coefficient transfer heat Internal	h_i
k] [W/m	coefficient transfer heat External	h_o
k] [W/m	coefficient transfer heat External	k_w
[°C]	cold the of Temperature	t_c
[°C]	hot the of Temperature	t_h
[m]	Diameter	D
$]^2[\text{m}$	Area	A
[j]	transferred Heat	Q
[-]	factor Friction	F
$]^{-2}\text{s} [\text{m}$	Gravity	g

Table Nomenclature :1

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$$E = m * c^2 \quad (1)$$

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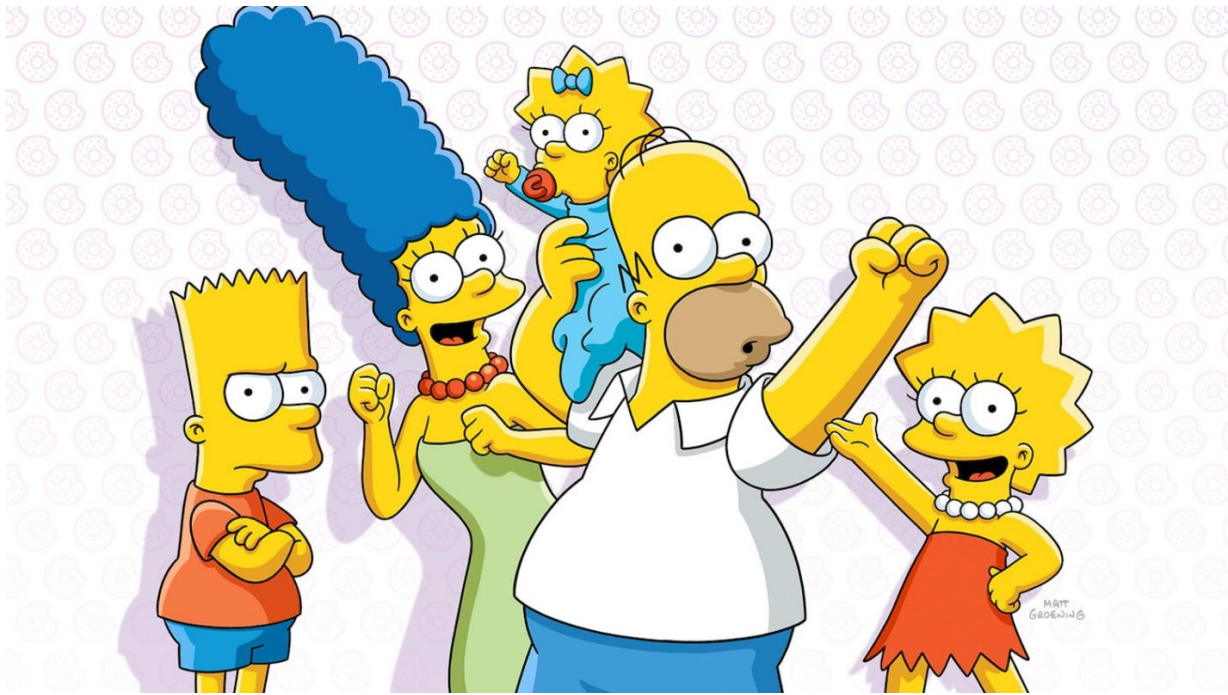
do so and rules the know You love to strangers no We're You of thinking I'm what commitment's full A I), (do I you tell wanna just I guy other any from this get wouldn't gonna Never understand you make Gotta feeling I'm how run gonna Never down you let gonna Never up you give Never cry you make gonna Never you desert and around you hurt and lie a tell gonna Never goodbye say gonna been heart's Your long so for other each known We've we Inside, it) (say it say to shy too you're but aching, know We on) (going on going been what's know both me ask you if And it play gonna we're and game the see to blind too you're me tell Don't feeling I'm how down you let gonna Never up you give gonna Never gonna Never you desert and around run gonna Never gonna Never goodbye say gonna Never cry you make Never up you give gonna Never you hurt and lie a tell desert and around run gonna Never down you let gonna

each known We've you hurt and lie a tell gonna Never goodbye say gonna Never cry you make gonna Never you been what's know both we Inside, it) say (to it say to shy too you're but aching, been heart's Your long so for other make Gotta feeling I'm how you tell wanna just I it play gonna we're and game the know We on) (going on going Never you desert and around run gonna Never down you let gonna Never up you give gonna Never understand you Never up you give gonna Never you hurt and lie a tell gonna Never goodbye say gonna Never cry you make gonna goodbye say gonna Never cry you make gonna Never you desert and around run gonna Never down you let gonna and around run gonna Never down you let gonna Never up you give gonna Never you hurt and lie a tell gonna Never [1] you hurt and lie a tell gonna Never goodbye say gonna Never cry you make gonna Never you desert

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The Company Broadcasting Fox the for Groening Matt by created sitcom animated American an is Simpsons The Marge, Homer, of consists which family, Simpson the by epitomized life, American of depiction satirical a is series



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and culture American parodies and Springfield of town fictional the in set is show The Maggie. and Lisa, Bart, condition. human the and television, society, producer with shorts animated of series a for solicitation a before shortly Groening by conceived was family The members, family own his after characters the named and family dysfunctional a created He Brooks. L. James "simpleton". to similar sounded it that in name funny a was Simpson thought he name; own his for Bart substituting was sketch the seasons, three After 1987. 19, April on Show Ullman Tracey The of part a became shorts The season a in ratings 30 Top the in land to series first Fox's became and show time prime half-hour a into developed (1989–1990).

longest-running the is It broadcast. been have show the of episodes 728 1989, 17, December on debut its Since time prime scripted American running longest the and sitcom, American longest-running series, animated American was Movie, Simpsons The film, feature-length A episodes. of number and seasons of terms in both series, television of as development in sequel a with million, \$527 over grossed and 2007, 27, July on worldwide theaters in released well as media, related other and books, games, video series, book comic numerous spawned also has series The 2018. On Television. 20th and Films Gracie by production joint a is Simpsons The industry. merchandising billion-dollar a as to confirmed later were which 34, and 33 seasons for renewed been have to announced was series the 2021, 3, March September on premiered season thirty-third Its 750. to 706 from count episode the increasing each, episodes 22 have 2021. 26,

its considered generally are which 1990s, the in seasons early its throughout acclaim received Simpsons The century's 20th the it named Time quality. in decline perceived a for criticized been has it then, Since age". "golden of regardless achievement crowning "television's it named Club A.V. The of Adams Erik and series, television best has It Fame. of Walk Hollywood the on star a awarded was family Simpson the 2000, 14, January On format". 2 and Awards, Annie 34 Awards, Emmy Primetime 34 including series, a as debuted it since awards of dozens won while language, English the into adopted been has "D'oh!" of catchphrase exclamatory Homer's Awards. Peabody [2] series. television sitcom animated adult-oriented later other many influenced has Simpsons The

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.instruments and ,oximeters pulse ,devices imaging %
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such( port serial your select ,node "Serial" the open ,node "Hardware" %
device your enter ,connected Once .button "connect" the press ,COM1 as %
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.found was that object the use otherwise %
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;)'COM3'(serial = obj1
else
;)obj1(fclose
(1)obj1 = obj1
end
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        ;)'?IDN*' ,obj1(query = data1
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        ;)obj1(fclose
        .objects all up Clean %
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F.
=====
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:)last call recent most( Traceback
test_sum_tuple in ,9 line , "py.test_sum_unittest" File
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s001.0 in tests 2 Ran

=1)failures( FAILED

nose2 install pip $
nose2 m- python $
F.
=====
)TestSum.__main__( test_sum_tuple :FAIL
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:)last call recent most( Traceback
test_sum_tuple in ,9 line , "py.test_sum_unittest" File
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6 be Should :AssertionError

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s001.0 in tests 2 Ran

=1)failures( FAILED
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