

language & communication

We dissect nature along lines laid down by our native language ... Language is not simply a reporting device for experience but a defining framework for it.

Benjamin Whorf, linguist

communication

- communication: shared codes
sender – encode – message – decode - receiver
- systems of communication/language
 - verbal - non-verbal
 - literal - non-literal

style

- descriptive vs. prescriptive (normative)
- contrast, deviate from a norm
- surface of text: foregrounding of phenomena
- Michel Riffaterre (*Semiotics of Poetry*, 1978):
marked vs. unmarked phenomena
- form and function
- Michael Toolan, (*The Stylistics of Fiction*, 1990):
literary linguistics

ambiguity

- imagery: figures of speech/rhetorical figures
- Quintilian, *Institutio Oratoria* (AD 95)
- poetic diction: ornamental?
- style as the unconscious expression of the author (Freud)
- comparison/substitution, contact/contiguity

imagery

- simile (comparison):
 - Lewis Hamilton was like a lion
- metaphor (similarity):
 - Palace guard axed over Kate rant
- metonymy (contact/contiguity):
 - to read Virginia Woolf; Syria strikes back
 - pars pro toto/synecdoche: to kick the leather

tenor & vehicle

- Lewis Hamilton (tenor) is [like] a lion (vehicle)
- *tertium comparationis*: shared properties, common denominator
- dead metaphor: light bulb, table legs
- mixed metaphor/catachresis: this government's red tape will fall to pieces

catachresis in *Hamlet*

To be, or not to be - that is the question:
Whether 'tis nobler in the mind to suffer
The slings and arrows of outrageous fortune
Or to take arms against a sea of troubles,
And by opposing end them

simile

you fit into me
like a hook into an eye

a fish hook
an open eye

Margaret Atwood (1971)

metaphor

Lolita, light of my life, fire of my loins. My sin, my soul. Lo-lee-ta: the tip of the tongue taking a trip of three steps down the palate to tap, at three, on the teeth. Lo. Lee. Ta.

Vladimir Nabokov, *Lolita* (1955)

Thomas Campion, (1567-1620), The Garden

There is a garden in her face,
Where roses and white lilies grow;
A heavenly paradise is that place,
Wherein all pleasant fruits do flow.
These cherries grow which none may buy,
Till "Cherry-ripe" themselves do cry.

Her eyes like angels watch them still;
Her brows like bended bows do stand,
Threatening with piercing frowns to kill
All that attempt with eye or hand
Those sacred cherries to come nigh,
Till "Cherry-ripe" themselves do cry.

Those cherries fairly do enclose
Of orient pearl a double row,
Which when her lovely laughter shows,
They look like rosebuds filled with snow.
Yet them nor peer nor prince can buy,
Till "Cherry-ripe" themselves do cry.

Shakespeare, Sonnet 116

Let me not to the marriage of true minds
Admit impediments, love is not love
Which alters when it alteration finds,
Or bends with the remover to remove.
O no, it is an ever-fixed mark
That looks on tempests and is never shaken;
It is the star to every wand'ring bark,
Whose worth's unknown, although his height be taken.
Love's not Time's fool, though rosy lips and cheeks
Within his bending sickle's compass come,
Love alters not with his brief hours and weeks,
But bears it out even to the edge of doom:
If this be error and upon me proved,
I never writ, nor no man ever loved.

Shakespeare, prologue to *Romeo & Juliet*

Two households, both alike in dignity,
In fair Verona, where we lay our scene,
From ancient grudge break to new mutiny,
Where civil blood makes civil hands unclean.
From forth the fatal loins of these two foes
A pair of star-cross'd lovers take their life;
Whole misadventured piteous overthrows
Do with their death bury their parents' strife.
The fearful passage of their death-mark'd love,
And the continuance of their parents' rage,
Which, but their children's end, nought could remove,
Is now the two hours' traffic of our stage;
The which if you with patient ears attend,
What here shall miss, our toil shall strive to mend.

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in the news today:

- Amazon's much-vaunted cloud network took a big hit yesterday when it crashed... (Daily Mail)
- With the big day nearing for Prince William and Kate Middleton, the internet is abuzz with royal wedding stories. (BBC)
- The film centres around Manchester United first-team coach Murphy and how he rebuilt the team... (Telegraph)

A Mechanization of Sorted Higher-Order Logic Based on the Resolution Principle

The field of mathematical logic has its roots in the effort of understanding the process of rational human reasoning. Since mathematical reasoning is human reasoning in its purest and most rigorous form, it is the most natural object for the investigation of this process.

If we look at the history of mathematics, we can observe a recurring pattern of change. Consider, for instance, the case of calculating with numbers, a task that has changed from a difficult job for highly paid specialists in Roman times to a task that is feasible for children in our century. What is the cause of this dramatic change? Of course the formalized reasoning procedures for arithmetic that we use nowadays. These so-called calculi consist of a set of rules that can be followed purely syntactically, but nevertheless manipulate arithmetic expressions in a correct and fruitful way. An essential prerequisite for syntactic manipulation is that the objects are given in a formal language suitable for the problem. For example, the ...

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- field:
 - area of open land, esp. one planted with crops or pasture, typically bounded by hedges or fences: a wheat field
 - a piece of land used for a particular purpose, esp. an area marked out for a game or sport: a football field
 - an area rich in a natural product: an oil field
 - an area on which a battle is fought: a field of battle
 - a place where a subject of scientific study or artistic representation can be observed in its natural location or context: the field of mathematical logic
- root:
 - the part of a plant that attaches it to the ground or to a support, typically underground, conveying water and nourishment to the rest of the plant via numerous branches and fibers: a tree root.
 - the essential substance or nature of something: matters at the heart and root of existence.